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(54) **GENERATING A REQUEST FROM A NUTRACEUTICAL INVENTORY**

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Continuation-in-part of application No. 11/291,532, filed on Nov. 30, 2005.

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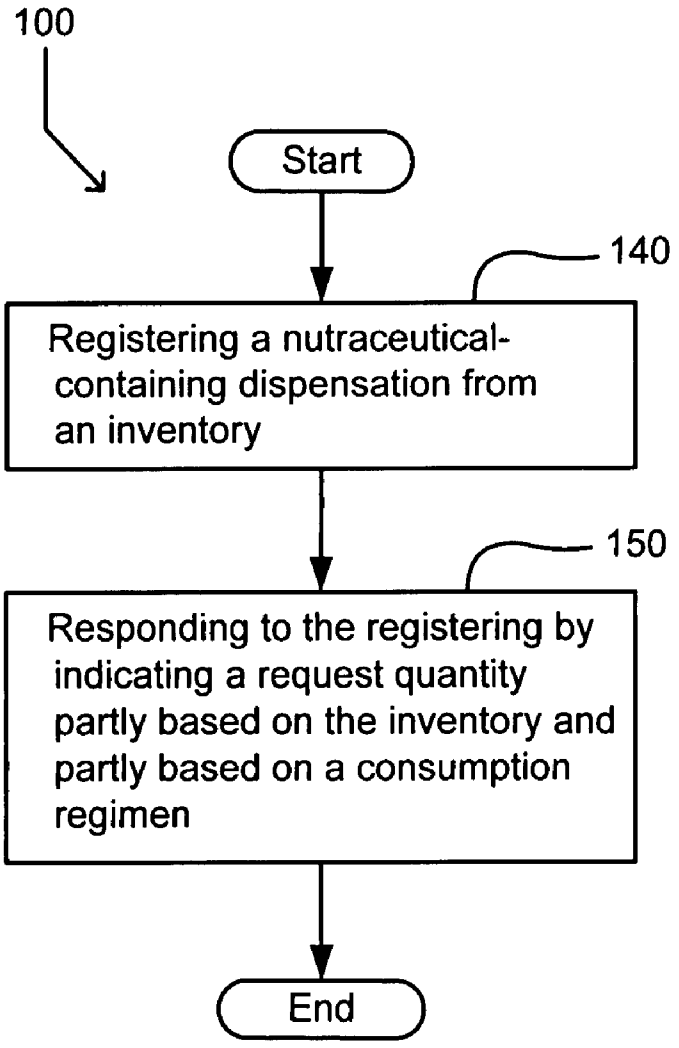
(57) **ABSTRACT**

A method, system, and computer program product are described for registering a nutraceutical-containing dispensation from an inventory and responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen.



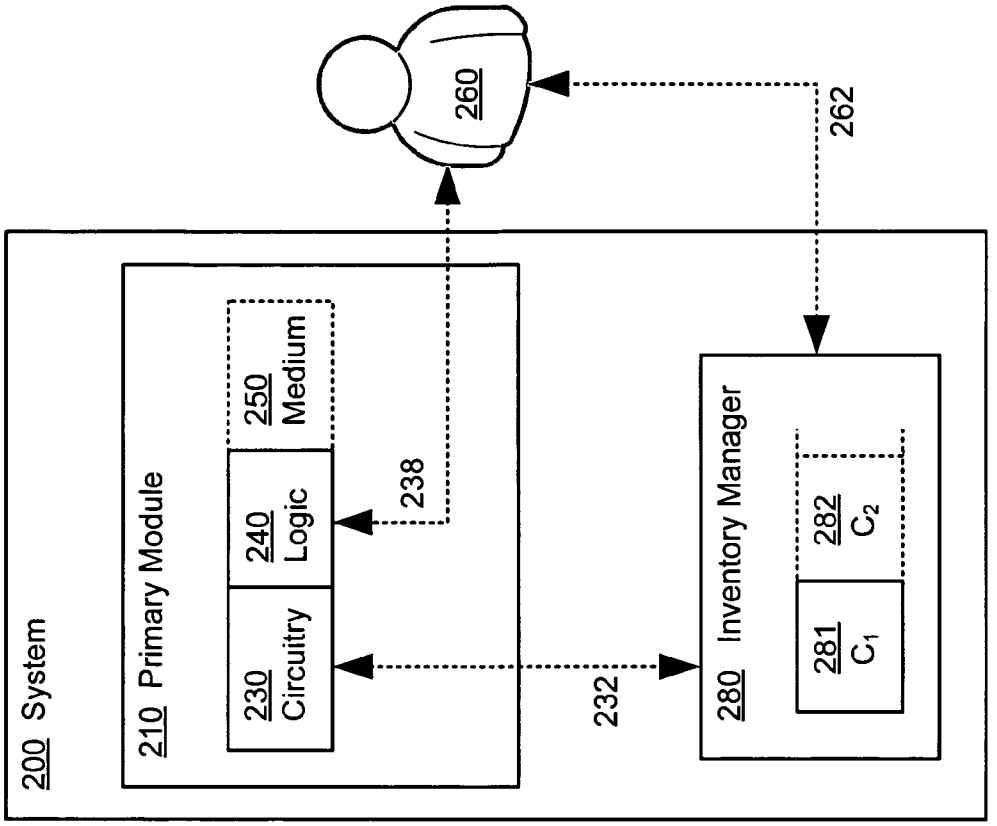

260
262
200 System
210 Primary Module
230 Circuitry
240 Logic
250 Medium
238
232
280 Inventory Manager
281 C_1
282 C_2

FIG. 2

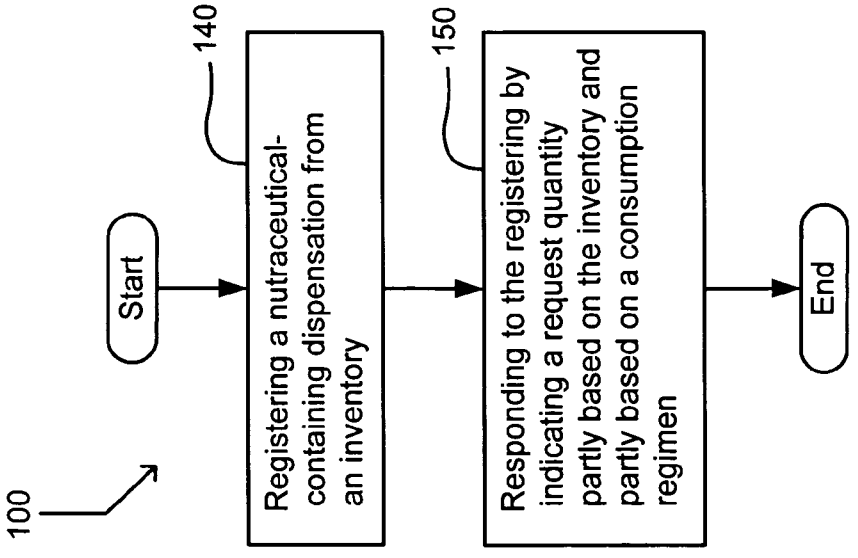

100
Start
140
Registering a nutraceutical-containing dispensation from an inventory
150
Responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen
End

FIG. 1

FIG. 3

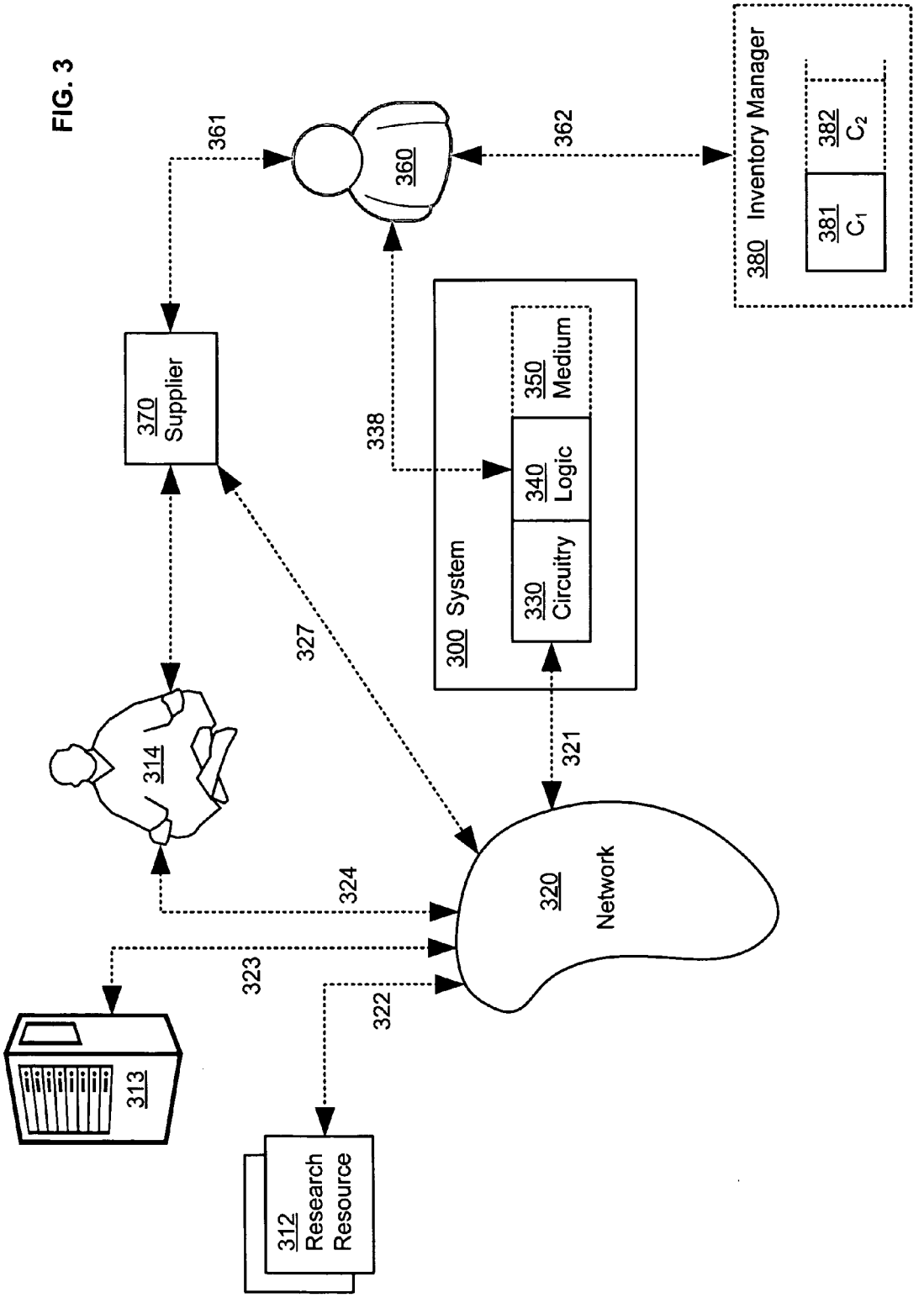

361
360
362
380 Inventory Manager
381 C_1
382 C_2
370 Supplier
338
350 Medium
340 Logic
330 Circuitry
300 System
327
314
321
320 Network
324
323
322
313
312 Research Resource

FIG. 4

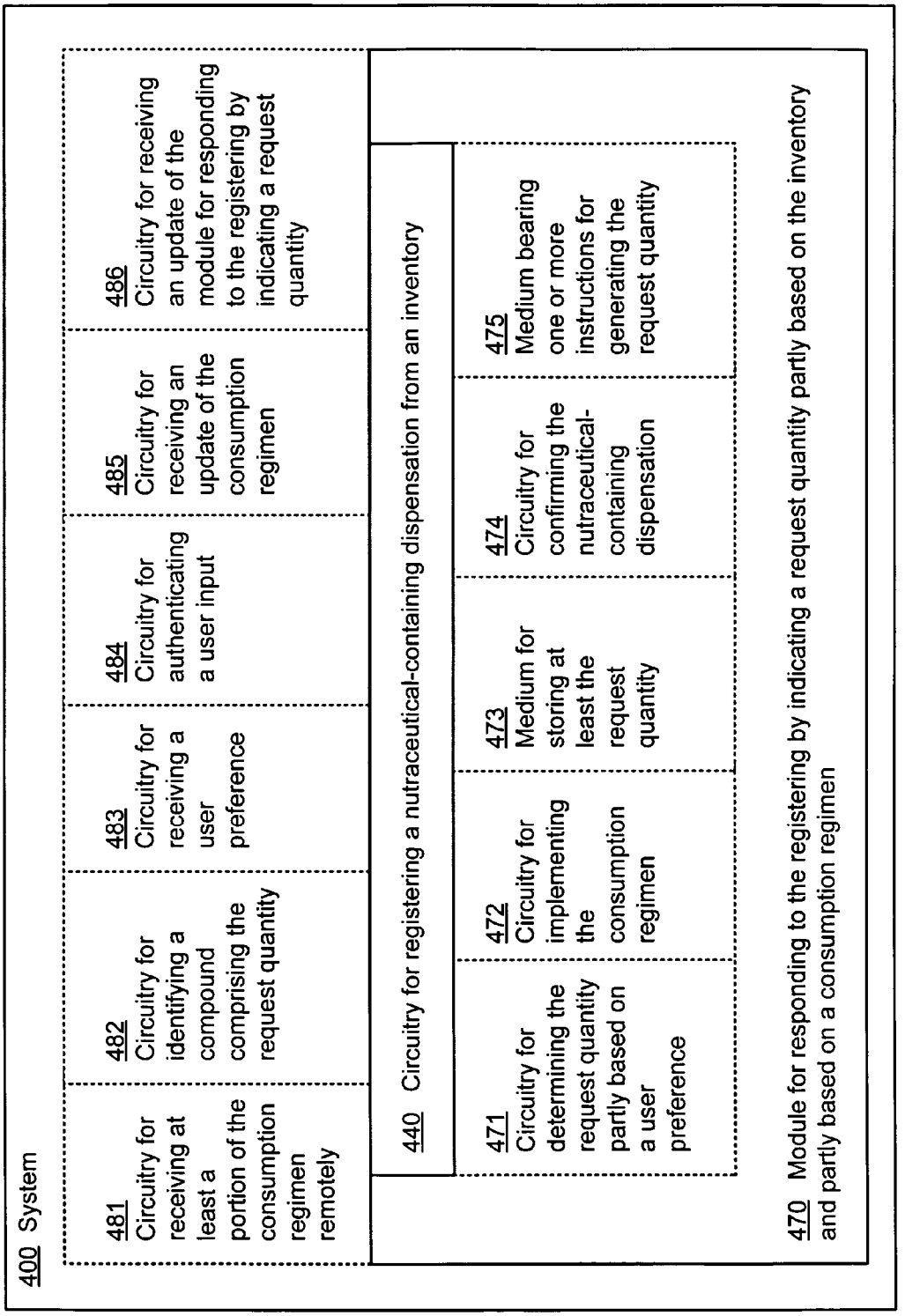

400 System
481 Circuitry for receiving at least a portion of the consumption regimen remotely
482 Circuitry for identifying a compound comprising the request quantity
483 Circuitry for receiving a user preference
484 Circuitry for authenticating a user input
485 Circuitry for receiving an update of the consumption regimen
486 Circuitry for receiving an update of the module for responding to the registering by indicating a request quantity
440 Circuitry for registering a nutraceutical-containing dispensation from an inventory
471 Circuitry for determining the request quantity partly based on a user preference
472 Circuitry for implementing the consumption regimen
473 Medium for storing at least the request quantity
474 Circuitry for confirming the nutraceutical-containing dispensation
475 Medium bearing one or more instructions for generating the request quantity
470 Module for responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen

FIG. 5

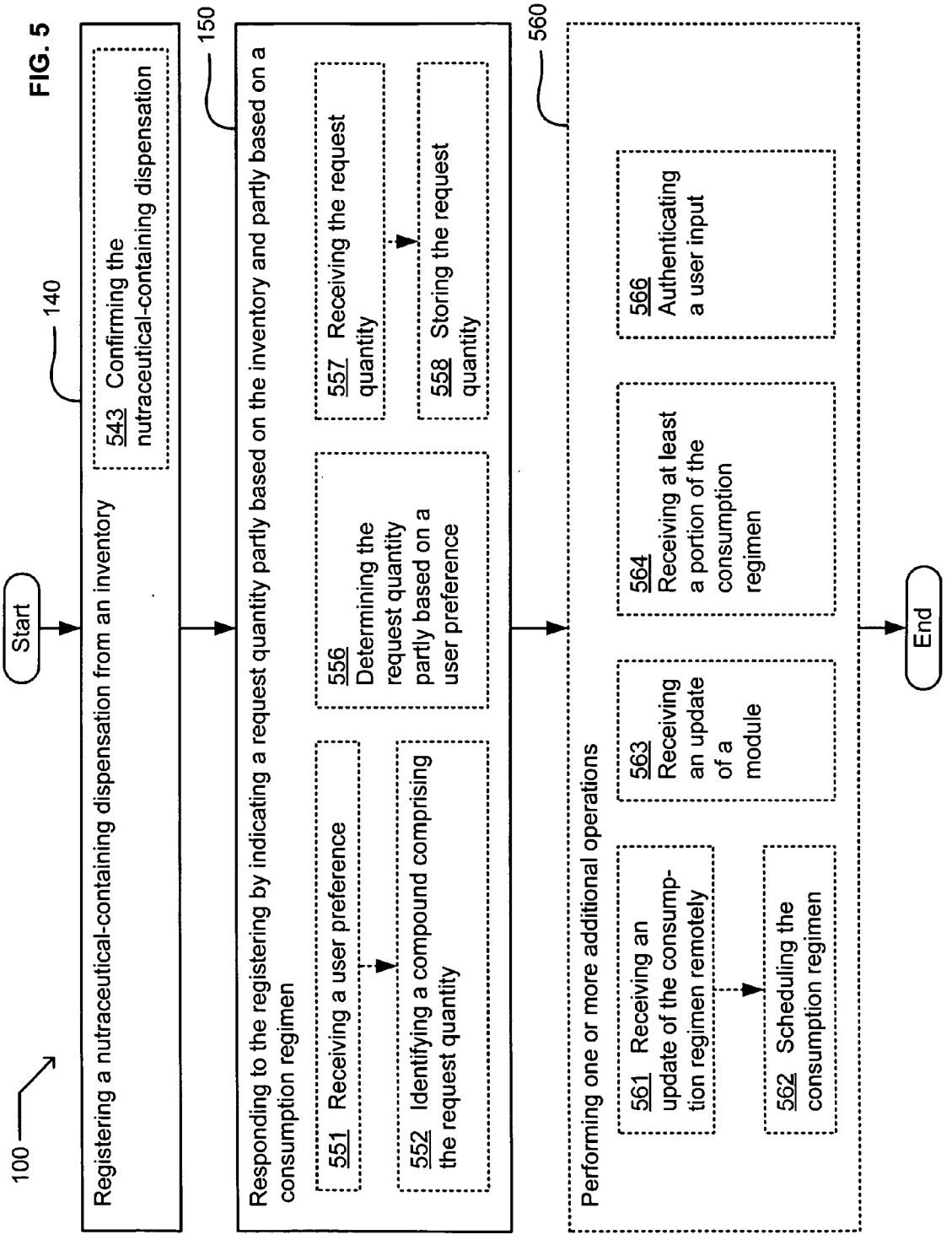
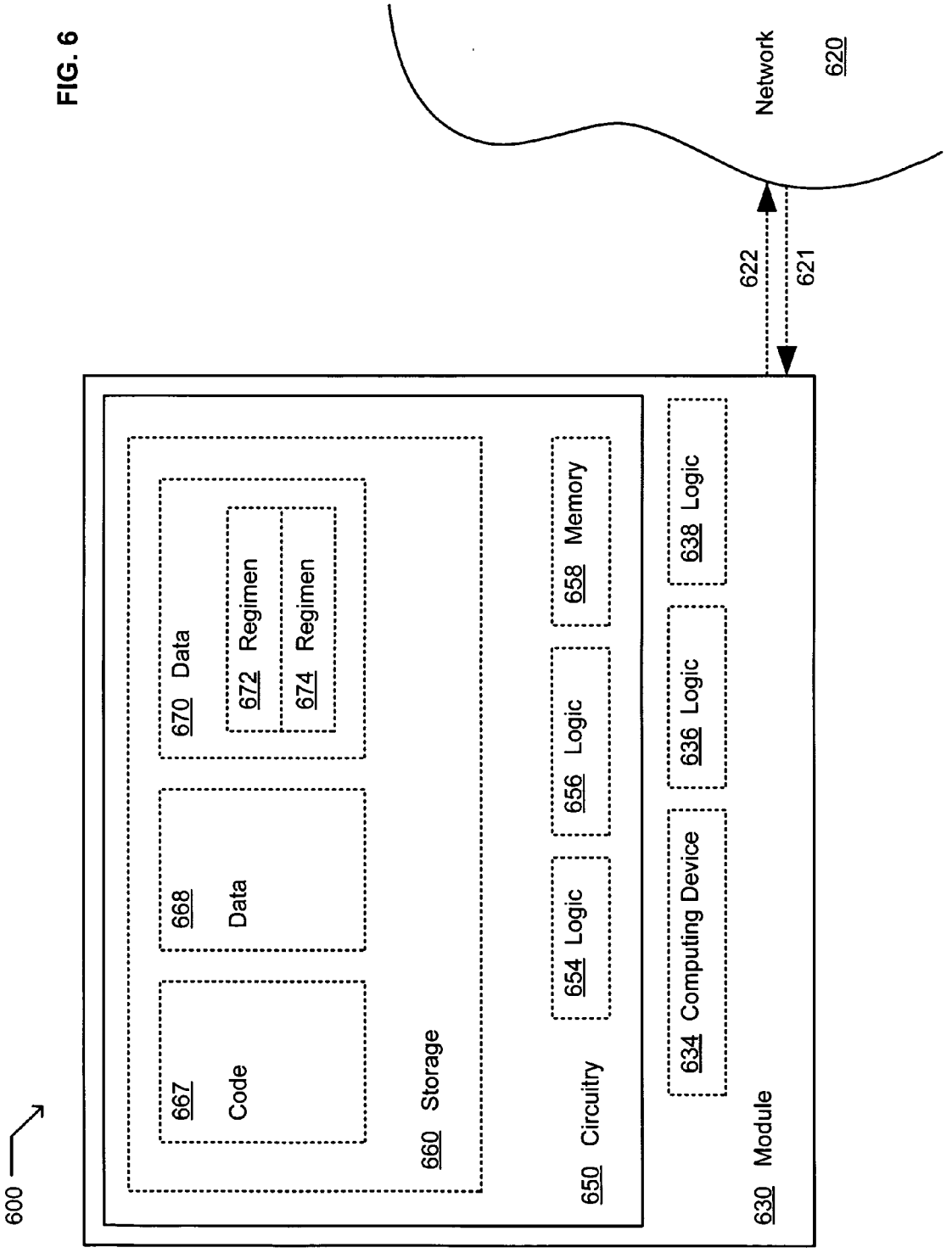

100
Start
140
Registering a nutraceutical-containing dispensation from an inventory
543 Confirming the nutraceutical-containing dispensation
150
Responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen
551 Receiving a user preference
552 Identifying a compound comprising the request quantity
556 Determining the request quantity partly based on a user preference
557 Receiving the request quantity
558 Storing the request quantity
560
Performing one or more additional operations
561 Receiving an update of the consumption regimen remotely
562 Scheduling the consumption regimen
563 Receiving an update of a module
564 Receiving at least a portion of the consumption regimen
566 Authenticating a user input
End

FIG. 6


600
630 Module
634 Computing Device
636 Logic
638 Logic
650 Circuitry
654 Logic
656 Logic
658 Memory
660 Storage
667 Code
668 Data
670 Data
672 Regimen
674 Regimen
622
621
Network
620

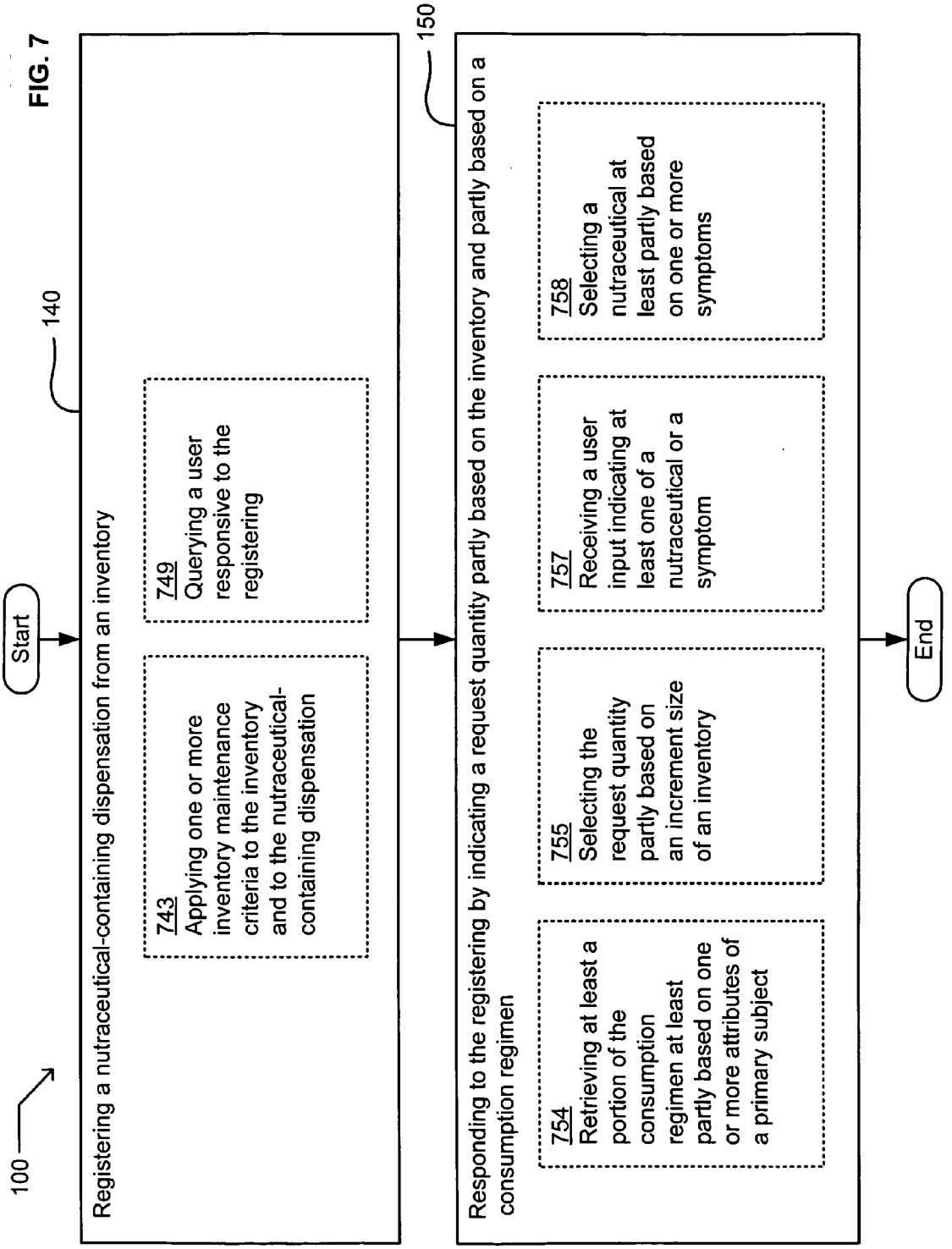

100
Start
140
Registering a nutraceutical-containing dispensation from an inventory
743
Applying one or more inventory maintenance criteria to the inventory and to the nutraceutical-containing dispensation
749
Querying a user responsive to the registering
150
Responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen
754
Retrieving at least a portion of the consumption regimen at least partly based on one or more attributes of a primary subject
755
Selecting the request quantity partly based on an increment size of an inventory
757
Receiving a user input indicating at least one of a nutraceutical or a symptom
758
Selecting a nutraceutical at least partly based on one or more symptoms
End

FIG. 7

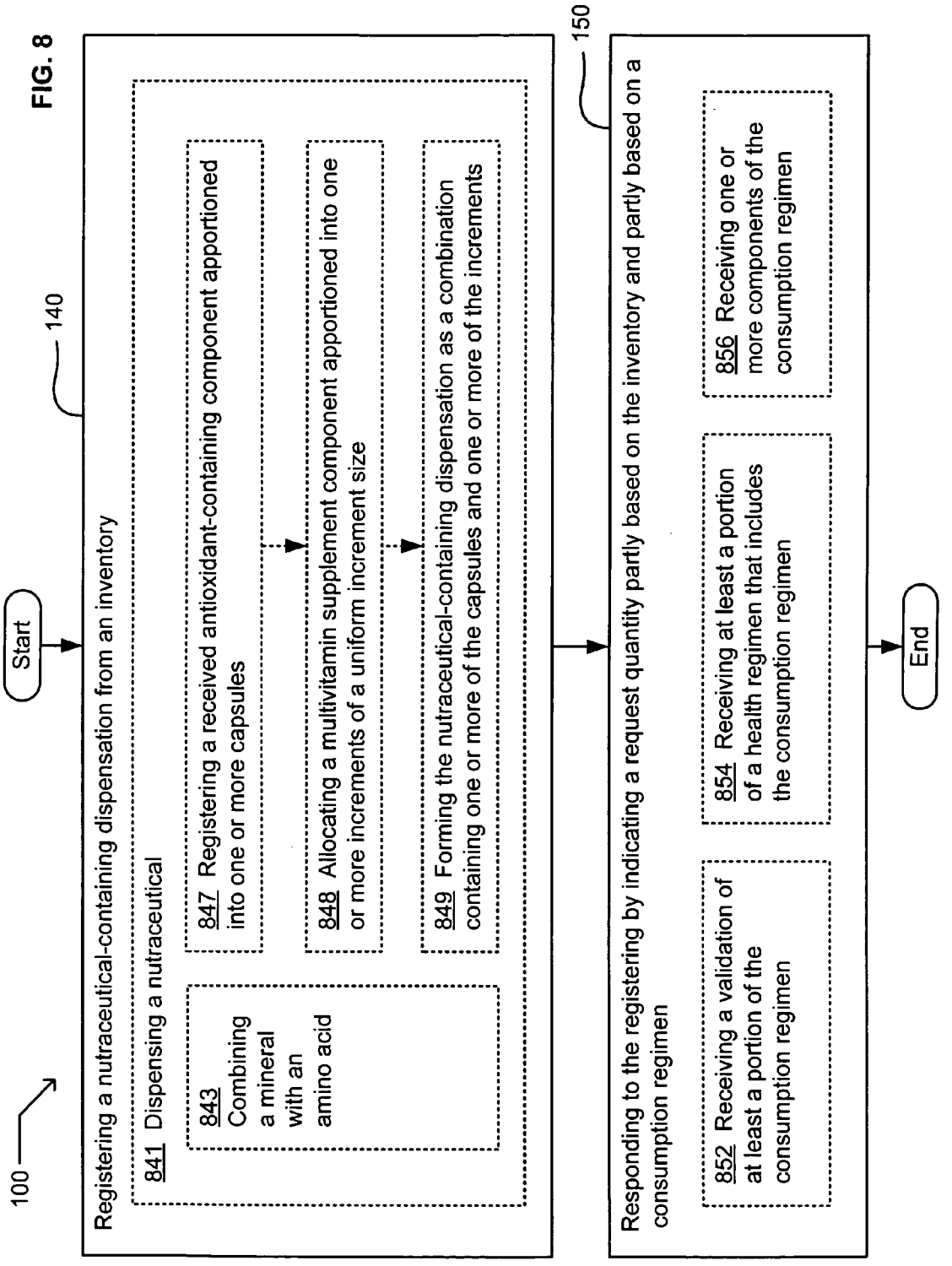

100
Start
140
Registering a nutraceutical-containing dispensation from an inventory
841 Dispensing a nutraceutical
843 Combining a mineral with an amino acid
847 Registering a received antioxidant-containing component apportioned into one or more capsules
848 Allocating a multivitamin supplement component apportioned into one or more increments of a uniform increment size
849 Forming the nutraceutical-containing dispensation as a combination containing one or more of the capsules and one or more of the increments
150
Responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen
852 Receiving a validation of at least a portion of the consumption regimen
854 Receiving at least a portion of a health regimen that includes the consumption regimen
856 Receiving one or more components of the consumption regimen
End

FIG. 8

FIG. 9

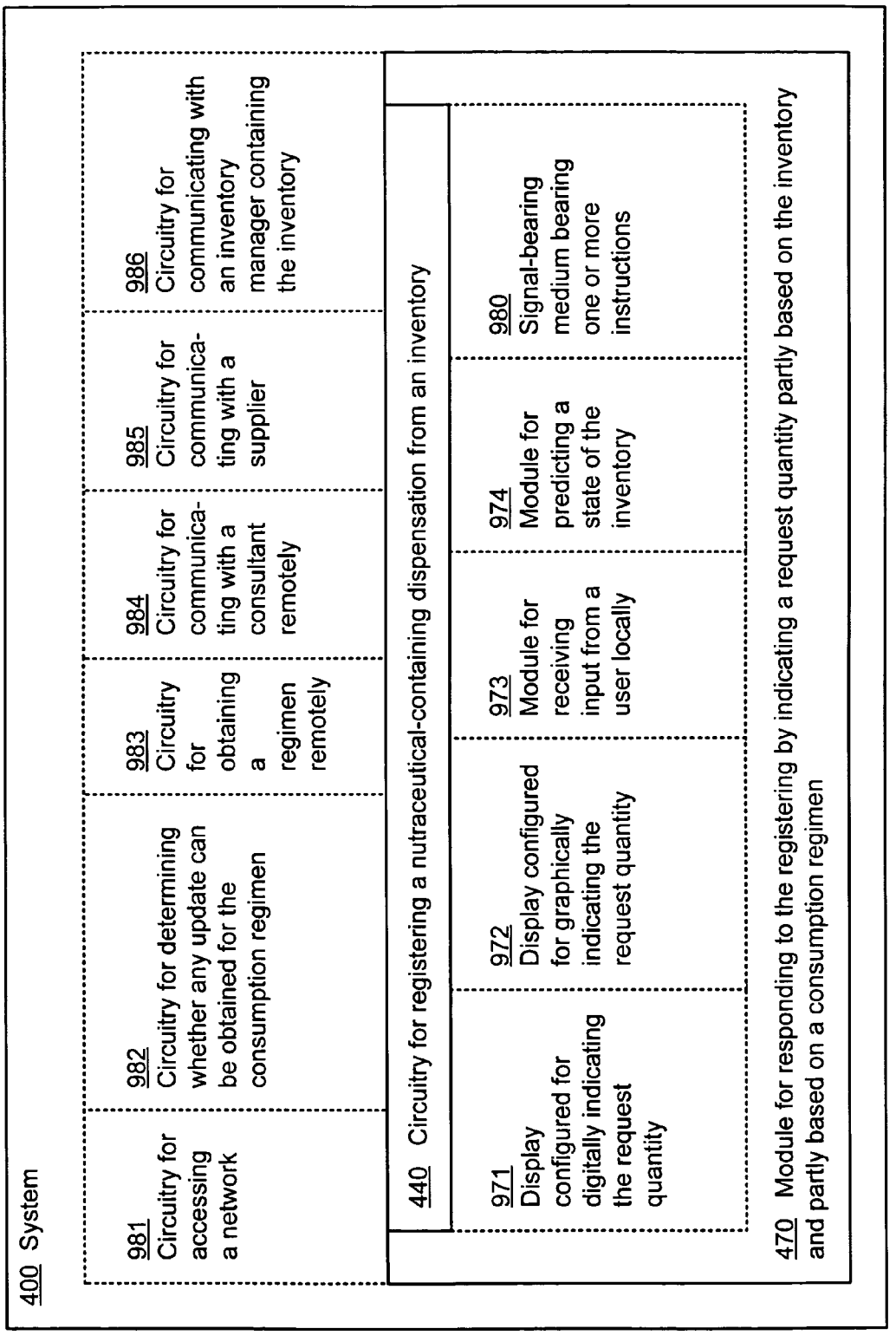

400 System
981 Circuitry for accessing a network
982 Circuitry for determining whether any update can be obtained for the consumption regimen
983 Circuitry for obtaining a regimen remotely
984 Circuitry for communicating with a consultant remotely
985 Circuitry for communicating with a supplier
986 Circuitry for communicating with an inventory manager containing the inventory
440 Circuitry for registering a nutraceutical-containing dispensation from an inventory
971 Display configured for digitally indicating the request quantity
972 Display configured for graphically indicating the request quantity
973 Module for receiving input from a user locally
974 Module for predicting a state of the inventory
980 Signal-bearing medium bearing one or more instructions
470 Module for responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen

FIG. 10

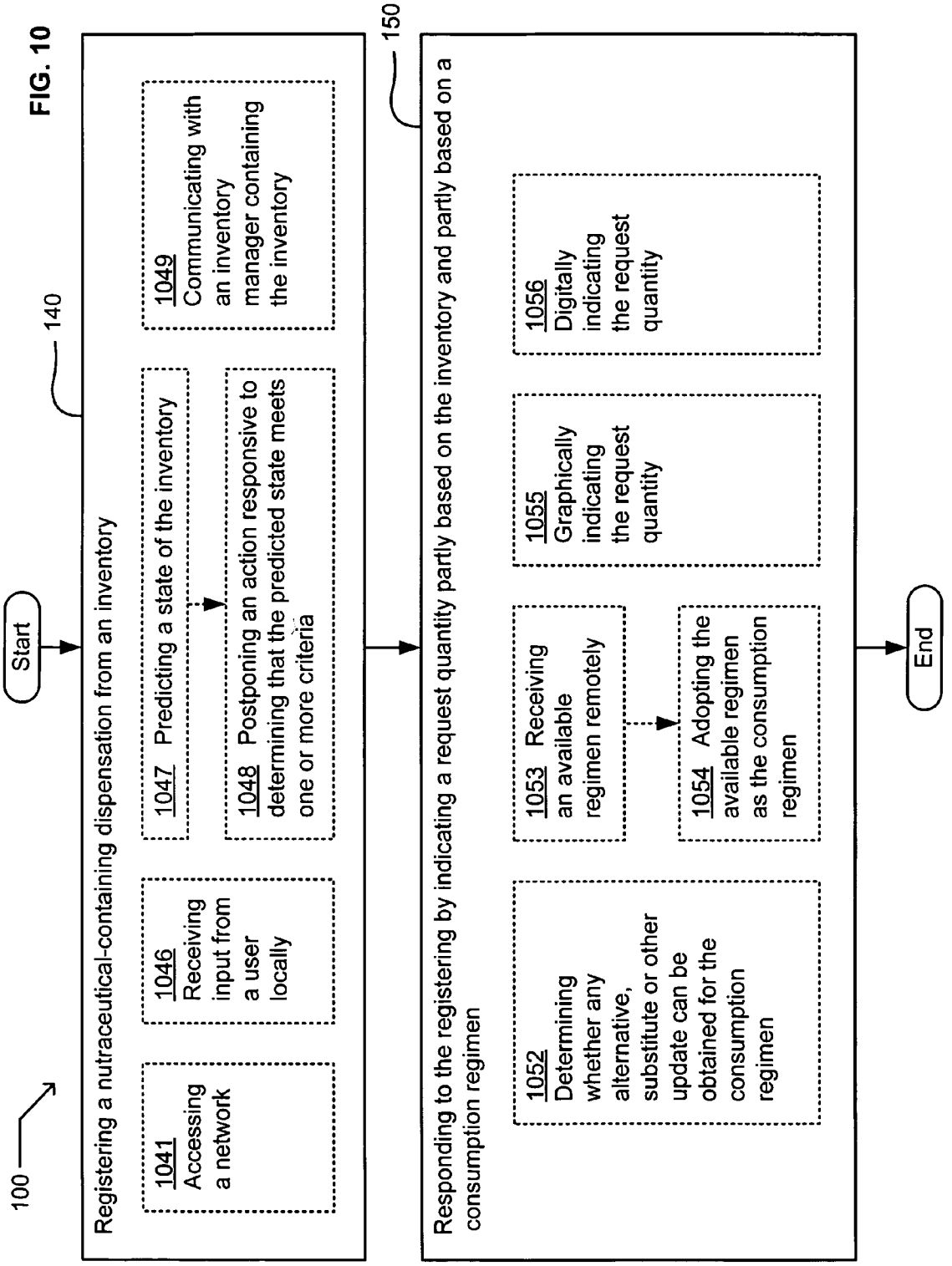

100
Start
140
Registering a nutraceutical-containing dispensation from an inventory
1041 Accessing a network
1046 Receiving input from a user locally
1047 Predicting a state of the inventory
1048 Postponing an action responsive to determining that the predicted state meets one or more criteria
1049 Communicating with an inventory manager containing the inventory
150
Responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen
1052 Determining whether any alternative, substitute or other update can be obtained for the consumption regimen
1053 Receiving an available regimen remotely
1054 Adopting the available regimen as the consumption regimen
1055 Graphically indicating the request quantity
1056 Digitally indicating the request quantity
End

FIG. 11

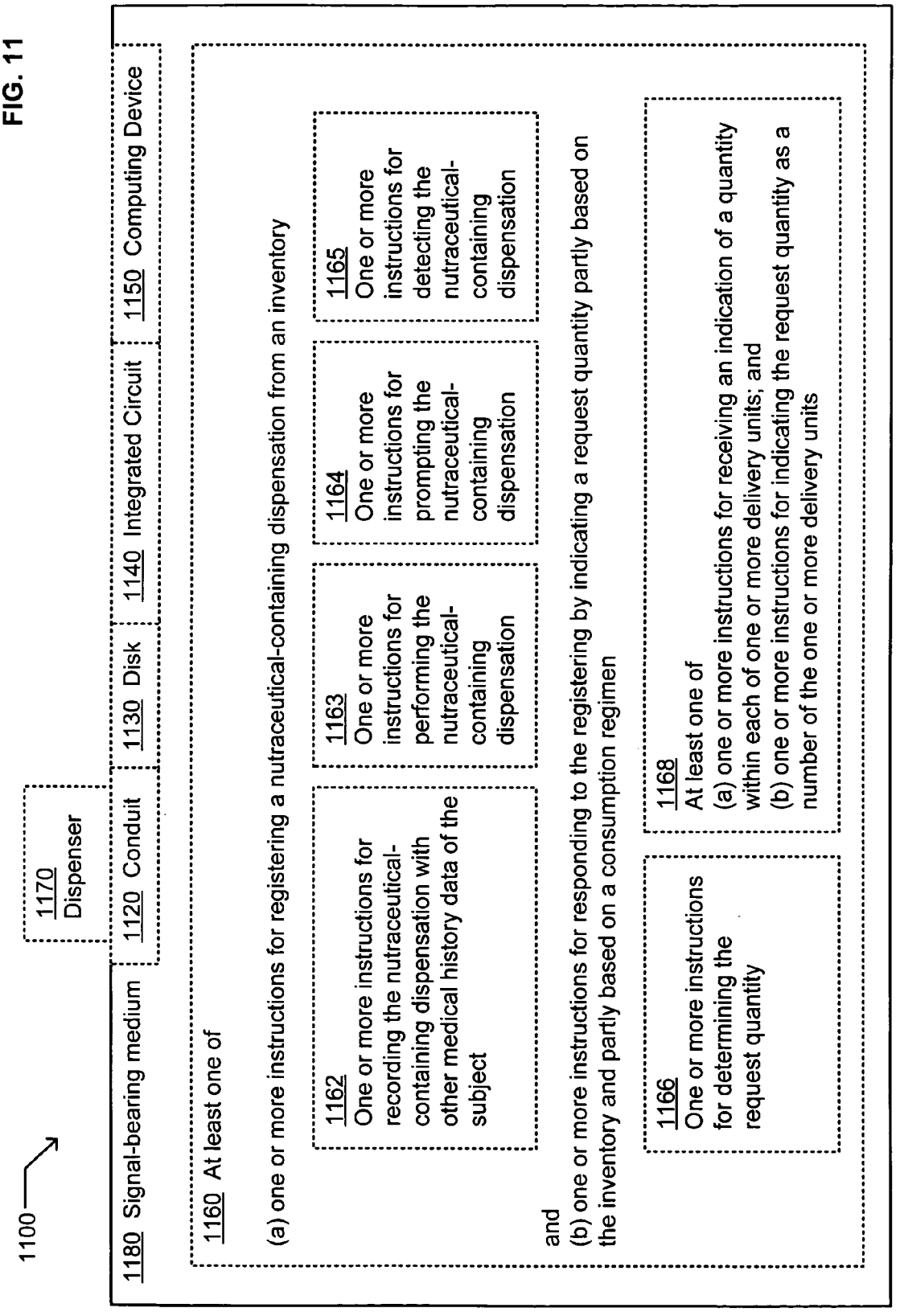

1100
1170 Dispenser
1180 Signal-bearing medium
1120 Conduit
1130 Disk
1140 Integrated Circuit
1150 Computing Device
1160 At least one of
(a) one or more instructions for registering a nutraceutical-containing dispensation from an inventory
1162 One or more instructions for recording the nutraceutical-containing dispensation with other medical history data of the subject
1163 One or more instructions for performing the nutraceutical-containing dispensation
1164 One or more instructions for prompting the nutraceutical-containing dispensation
1165 One or more instructions for detecting the nutraceutical-containing dispensation
and
(b) one or more instructions for responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen
1166 One or more instructions for determining the request quantity
1168 At least one of
(a) one or more instructions for receiving an indication of a quantity within each of one or more delivery units; and
(b) one or more instructions for indicating the request quantity as a number of the one or more delivery units

FIG. 12

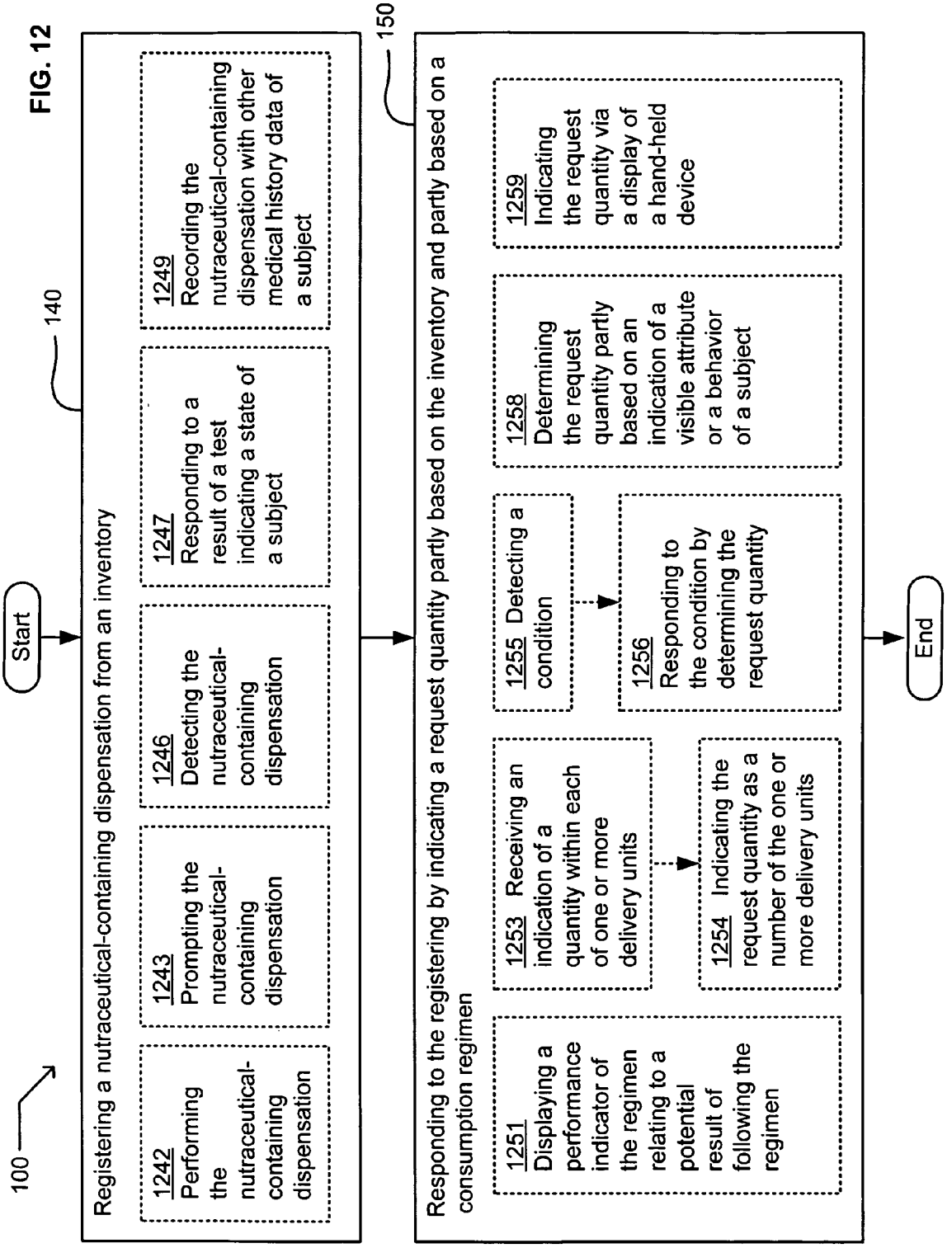

100
Start
140
Registering a nutraceutical-containing dispensation from an inventory
1242 Performing the nutraceutical-containing dispensation
1243 Prompting the nutraceutical-containing dispensation
1246 Detecting the nutraceutical-containing dispensation
1247 Responding to a result of a test indicating a state of a subject
1249 Recording the nutraceutical-containing dispensation with other medical history data of a subject
150
Responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen
1251 Displaying a performance indicator of the regimen relating to a potential result of following the regimen
1253 Receiving an indication of a quantity within each of one or more delivery units
1254 Indicating the request quantity as a number of the one or more delivery units
1255 Detecting a condition
1256 Responding to the condition by determining the request quantity
1258 Determining the request quantity partly based on an indication of a visible attribute or a behavior of a subject
1259 Indicating the request quantity via a display of a hand-held device
End

FIG. 13

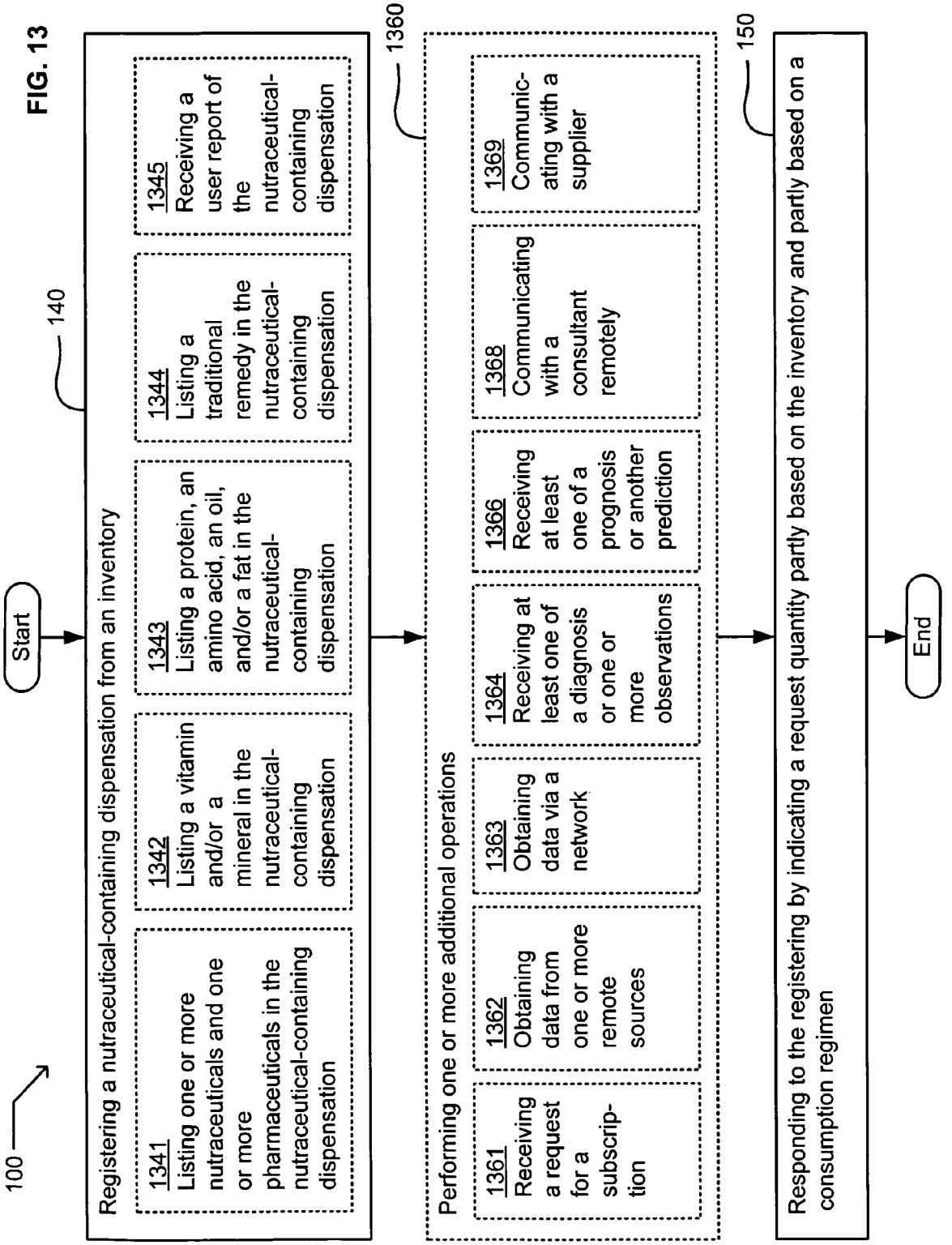
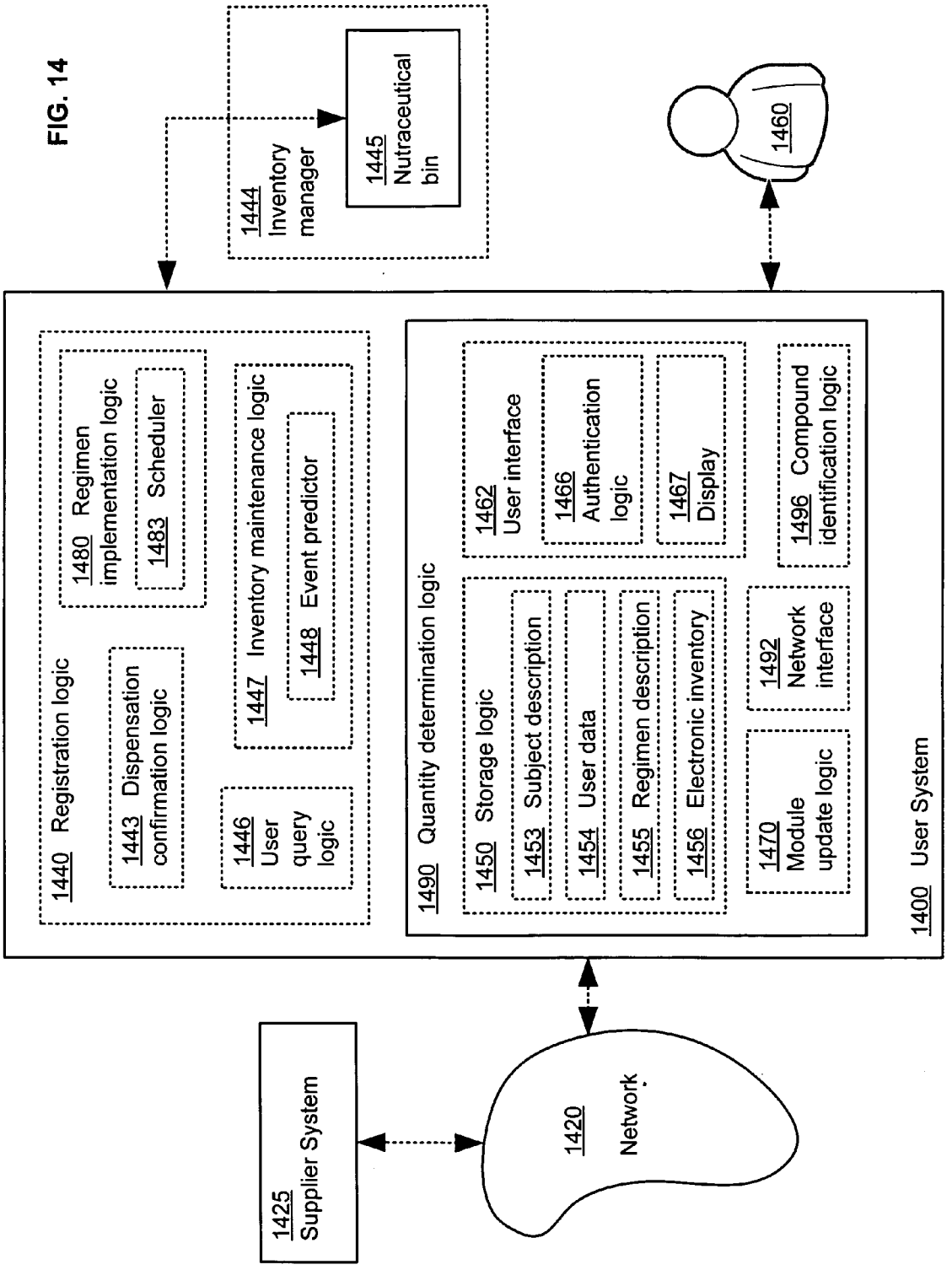

100
Start
140
Registering a nutraceutical-containing dispensation from an inventory
1341 Listing one or more nutraceuticals and one or more pharmaceuticals in the nutraceutical-containing dispensation
1342 Listing a vitamin and/or a mineral in the nutraceutical-containing dispensation
1343 Listing a protein, an amino acid, an oil, and/or a fat in the nutraceutical-containing dispensation
1344 Listing a traditional remedy in the nutraceutical-containing dispensation
1345 Receiving a user report of the nutraceutical-containing dispensation
1360
Performing one or more additional operations
1361 Receiving a request for a subscription
1362 Obtaining data from one or more remote sources
1363 Obtaining data via a network
1364 Receiving at least one of a diagnosis or one or more observations
1366 Receiving at least one of a prognosis or another prediction
1368 Communicating with a consultant remotely
1369 Communicating with a supplier
150
Responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen
End

FIG. 14


1425 Supplier System
1420 Network
1400 User System
1440 Registration logic
1443 Dispensation confirmation logic
1480 Regimen implementation logic
1483 Scheduler
1446 User query logic
1447 Inventory maintenance logic
1448 Event predictor
1490 Quantity determination logic
1450 Storage logic
1453 Subject description
1454 User data
1455 Regimen description
1456 Electronic inventory
1462 User interface
1466 Authentication logic
1467 Display
1470 Module update logic
1492 Network interface
1496 Compound identification logic
1444 Inventory manager
1445 Nutraceutical bin
1460

GENERATING A REQUEST FROM A NUTRACEUTICAL INVENTORY

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] The present application is related to, claims the earliest available effective filing date(s) from (e.g., claims earliest available priority dates for other than provisional patent applications; claims benefits under 35 USC § 119(e) for provisional patent applications), and incorporates by reference in its entirety all subject matter of the following listed application(s) (the "Related Applications") to the extent such subject matter is not inconsistent herewith; the present application also claims the earliest available effective filing date(s) from, and also incorporates by reference in its entirety all subject matter of any and all parent, grandparent, great-grandparent, etc. applications of the Related Application(s) to the extent such subject matter is not inconsistent herewith. The United States Patent Office (USPTO) has published a notice to the effect that the USPTO's computer programs require that patent applicants reference both a serial number and indicate whether an application is a continuation or continuation in part. Stephen G. Kunin, Benefit of Prior-Filed Application, USPTO Electronic Official Gazette, Mar. 18, 2003 at http://www.uspto.gov/web/offices/com/sol/og/2003/week11/patbene.htm. The present applicant entity has provided below a specific reference to the application(s) from which priority is being claimed as recited by statute. Applicant entity understands that the statute is unambiguous in its specific reference language and does not require either a serial number or any characterization such as "continuation" or "continuation-in-part." Notwithstanding the foregoing, applicant entity understands that the USPTO's computer programs have certain data entry requirements, and hence applicant entity is designating the present application as a continuation in part of its parent applications, but expressly points out that such designations are not to be construed in any way as any type of commentary and/or admission as to whether or not the present application contains any new matter in addition to the matter of its parent application(s).

Related Applications:

[0002] 1. For purposes of the USPTO extra-statutory requirements, the present application constitutes a continuation-in-part of U.S. patent application Ser. No. 11/283,548, entitled PROVIDING ASSISTANCE RELATED TO HEALTH, naming Edward K. Y. Jung, Joyce A. Levien, Robert W. Lord, Mark A. Malamud, John D. Rinaldo, Jr., Clarence T. Tegreene and Lowell L. Wood, Jr. as inventors, filed Nov. 17, 2005, which is currently co-pending, or is an application of which a currently co-pending application is entitled to the benefit of the filing date.

[0003] 2. For purposes of the USPTO extra-statutory requirements, the present application constitutes a continuation-in-part of U.S. patent application Ser. No. 11/291,482, entitled TESTING-DEPENDENT ADMINISTRATION OF A NUTRACEUTICAL, naming Edward K. Y. Jung, Royce A. Levien, Robert W. Lord, Mark A. Malamud, John D. Rinaldo, Jr., Clarence T. Tegreene and Lowell L. Wood, Jr. as inventors, filed Nov. 30, 2005, which is currently co-pending, or is an application of which a currently co-pending application is entitled to the benefit of the filing date.

[0004] 3. For purposes of the USPTO extra-statutory requirements, the present application constitutes a continuation-in-part of U.S. patent application Ser. No. 11/291,532, entitled GENERATING A NUTRACEUTICAL REQUEST FROM AN INVENTORY, naming Edward K. Y. Jung, Royce A. Levien, Robert W. Lord, Mark A. Malamud, John D. Rinaldo, Jr., Clarence T. Tegreene an dLowell L. Wood, Jr. as inventors, filed Nov. 30, 2005, which is currently co-pending, or is an application of which a currently co-pending application is entitled to the benefit of the filing date.

SUMMARY

[0005] An embodiment provides a method. In one implementation, the method includes but is not limited to registering a nutraceutical-containing dispensation from an inventory and responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen. In addition to the foregoing, other communication method aspects are described in the claims, drawings, and text forming a part of the present disclosure.

[0006] In one or more various aspects, related systems include but are not limited to circuitry and/or programming for effecting the herein referenced method aspects; the circuitry and/or programming can be virtually any combination of hardware, software, and/or firmware configured to effect the herein-referenced method aspects depending upon the design choices of the system designer.

[0007] An embodiment provides a system. In one implementation, the system includes but is not limited to circuitry for registering a nutraceutical-containing dispensation from an inventory and a module for responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen. In addition to the foregoing, other computer program product aspects are described in the claims, drawings, and text forming a part of the present disclosure.

[0008] An embodiment provides another system. In one implementation, the other system includes but is not limited to a computing device and one or more instructions that when executed by the computing device cause the computing device to perform at least one of registering a nutraceutical-containing dispensation from an inventory and responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen. In addition to the foregoing, other computer program product aspects are described in the claims, drawings, and text forming a part of the present disclosure.

[0009] An embodiment provides a computer program product. In one implementation, the computer program product includes but is not limited to a signal-bearing medium bearing at least one of (a) one or more instructions for registering a nutraceutical-containing dispensation from an inventory and (b) one or more instructions for responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen.

[0010] In addition to the foregoing, various other embodiments are set forth and described in the text (e.g., claims and/or detailed description) and/or drawings of the present description.

[0011] The foregoing is a summary and thus contains, by necessity, simplifications, generalizations and omissions of detail; consequently, those skilled in the art will appreciate that the summary is illustrative only and is not intended to be in any way limiting. Other aspects, features, and advantages of the devices and/or processes described herein, as defined by the claims, will become apparent in the detailed description set forth herein.

BRIEF DESCRIPTION OF THE FIGURES

[0012] FIG. **1** shows an operational flow representing example operations that produce an indication of an amount.

[0013] FIG. **2** shows an example system in schematic form, a hardware implementation able to perform variants of the flow of FIG. **1**.

[0014] FIG. **3** shows another example system able to perform the flow of FIG. **1** and many similar variations.

[0015] FIG. **4** shows another example system able to perform the flow of FIG. **1** and many similar variations.

[0016] FIG. **5** shows various optional features of the flow of FIG. **1**.

[0017] FIG. **6** shows another example system able to perform many variants of the above-described flows.

[0018] FIG. **7** shows various optional features of the flow of FIG. **1** or **5**.

[0019] FIG. **8** shows various optional features of the flow of FIG. **1**, **5**, or **7**.

[0020] FIG. **9** shows further optional features of the system of FIG. **4**.

[0021] FIG. **10** shows various optional features of the flow of FIG. **1**, **5**, **7** or **8**.

[0022] FIG. **11** shows a system that includes a signal-bearing medium that can comprise or interact with a conduit, a disk, an integrated circuit, or a computing device.

[0023] FIG. **12** shows other optional features of the above-described flows.

[0024] FIG. **13** shows still more optional features of the above-described flows.

[0025] FIG. **14** shows another example system embodiment in schematic form.

DETAILED DESCRIPTION

[0026] FIG. **14** shows user system **1400** comprising one or more of registration logic **1440** or quantity determination logic **1490**. Quantity determination logic **1490** optionally comprises one or more of storage logic **1450**, user interface **1462**, module update logic **1470**, network interface **1492**, or compound identification logic **1496**. Registration logic **1440** can include one or more of dispensation confirmation logic **1443**, user query logic **1446**, inventory maintenance logic **1447**, event predictor **1448**, regimen implementation logic **1480**, or scheduler **1483**. Storage logic **1450** can include one or more of subject description **1453**, user data **1454**, regimen description **1455**, and electronic inventory **1456**. User interface **1462** can include one or more of authentication logic **1466** or display **1467**. Nutraceutical bin **1445** can contain one or more nutraceuticals (e.g., nutraceutical-containing compounds) as well as medications and the like. Nutraceutical bin may comprise part of inventory manager **1444**, or may be situated in a stand-alone position accessible to user **1460** or one or more other users.

[0027] FIG. **1** shows an operational flow **100** representing example operations that produce an indication of an amount of a request quantity, such as by indicating a rate or otherwise expressing a quantity that includes a nutraceutical. Flow **100** and other embodiments as described below systemize regimens that include one or more of these components, facilitating or enabling a user's implementation of a regimen.

[0028] After a start operation, operational flow **100** moves to operation **140**, comprising registering a nutraceutical-containing dispensation from an inventory (e.g., registration logic **1440** receiving an indication that user **1460** has removed a certain quantity of nutraceutical from nutraceutrical bin **1445**). The dispensation can be a completed dispensation, an in-progress dispensation, a tentative dispensation, a scheduled dispensation, or a canceled dispensation of one or more nutraceutical-containing materials, for example. Likewise the dispensation can relate to electronic inventory **1456** or any physical inventory. After operation **140**, flow **100** then moves to operation **150**, comprising responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen (e.g., quantity determination logic **1490** sending a request quantity via network interface **1492**—through network **1420**—to supplier system **1425**, where the request is partly based on a past or present content of nutraceutical bin **1445** and a partly based on a past or present consumption regimen as indicated by regimen description **1455**). The indication can be a display or other transmission, for example. The consumption regimen can optionally contain one or more regimens or regimen components, such as seasonal, interspersed, contingent, occasional, or other conditional regimen(s). Alternatively or additionally, the consumption regimen can comprise a component of a master regimen that also includes a non-consumption component. FIGS. **5**, **7**, **8**, **10**, **12**, and **13** below include many variations of operational flow **100**. In various embodiments such as these, of course, flow **100** can include additional operations or variations in the sequence of operations.

[0029] Referring now to FIG. **2**, there is shown an example system **200** in schematic form, a hardware implementation able to perform variants of flow **100** as described below. Primary module **210** includes circuitry **230** for receiving at least an indication of the registration (via linkage **232**, e.g.) of a state of a subject (an animal or other organism, e.g.). Primary module **210** further includes logic **240** (such as a processor or programmable logic, e.g.) for indicating the request quantity (via interface **238**, e.g.) partly based on the dispensation or other aspect of the inventory, and partly based on the consumption regimen. Primary module **210** can further include medium **250** accessible by at least logic **240**, as described below. (The dashed outline of medium **250** signifies that some embodiments are specifically contemplated to exclude this feature, and others are contemplated to include it.)

[0030] Linkage **232** is similarly indicated as optional. Even if system **200** is merely a kit or physical structure with no communication linkage **232**, for example, it can be

advantageous for user **260** to access primary module **210** in proximity to inventory manager **280**. Linkage **232** can include one or more of analog data, digital data, or a measurable physical property such as a distance or similar geometry. Alternatively or additionally, linkage **232** can comprise a conduit bearing one or more instructions that can be stored in medium **250**, for example, or can be executed by logic **240** to perform one or more variations of flow **100** such as those shown in FIG. **5**, **7**, **8**, **10**, **12**, or **13**. Alternatively or additionally, information can be conveyed to primary module on a ticket or a similar printed record or memory device that can be deposited into primary module **210**. Alternatively or additionally, circuitry **230** can receive information (such as the regimen, e.g.) remotely and/or from user **260**.

[**0031**] Inventory manager **280** includes a medication or other prescribed component (C_1) **281**, for example, and can include one or more nutraceutical-containing or other components (C_2) **282**. Inventory manager **280** can be accessible to user **260** via optional interface **262**, which can optionally be used for receiving user input in lieu of interface **238**. Alternatively or additionally, interface **262** can comprise a vending-machine-style dispenser able to dispense one or more of the component(s) **281**, **282** to user **260**. Even in an embodiment in which dispensations are via a third party, and in lieu of interface **262**, primary module **210** can register the dispensation such as via linkage **232** or interface **238**, and respond accordingly (by operation **150**, e.g.).

[**0032**] Referring now to FIG. **3**, there is shown another example system **300** able to perform operational flow **100** of FIG. **1** and many similar variations. System **300** includes circuitry **330** and logic **340** as described below, and can further include one or more of link **321**, interface **338**, or medium **350**. Logic **340** can optionally receive input from a user (such as from user **360** via interface **338**, e.g.) locally. Medium **350** can bear one or more instructions that can be executed by logic **340** (optionally a computing device, e.g.) for performing one or more of the flows of FIG. **5**, **7**, **8**, **10**, **12**, or **13**.

[**0033**] As shown, link **321** can operably couple system **300** with network **320**. In some embodiments, network **320** can thus have access to online research resource **312** through linkage **322** or to server **313** through linkage **323**. Alternatively or additionally, network **320** can have access to expert **314** through linkage **324** or to supplier **370** through linkage **327**. ("Expert"**314** can actually be an herbalist, a pharmacist, a physician, a psychologist, a parent, an author, a document, a database, a blog, or any other source of opinion or information.) Research resource **312** can be remote from system **300** or from server **313**, expert **314**, or supplier **370**. Expert **314** can optionally be located at a clinic or similar retail or healthcare facility that can advantageously include system **300** as well as one or more of online research resource **312**, server **313**, supplier **370**, or user **360**.

[**0034**] System **300** optionally includes circuitry (optionally circuitry **330** with link **321**, e.g.) for communicating with supplier **370** via network **320**, such as by electronic mail, facsimile, or a similar digital format. Alternatively or additionally, circuitry **330** can coordinate with link **321** for communicating with a regimen server (such as server **313**, e.g.) or with a consultant (such as expert **314**) remotely. Alternatively or additionally, supplier **370** can be configured to communicate with expert **314** via linkage **327** or with (another) user **360** via linkage **361**. Alternatively or additionally, user **360** can access a component C_1 **381** (and optionally one or more additional components C_2 **382**) in an inventory manager **380** via interface **362**.

[**0035**] In some embodiments, system **300** is a computer or similar device with inventory maintenance capabilities. In performing operation **140** (of FIG. **1**) or some variants described below, logic **340** can register a dispensation from an inventory, for example by receiving an indication of the dispensation via user interface **338**. Circuitry **330** can respond as appropriate by indicating a request quantity (at operation **150**, e.g.), such as by transmitting the request quantity via link **321** as an order (to supplier **370**, e.g.) or as a validation request (to a physician or other expert **314**, e.g.).

[**0036**] Referring now to FIG. **4**, there is shown another example system **400** able to perform operational flow **100** of FIG. **1** and many similar variations such as those of FIG. **5**, **7**, **8**, **10**, **12**, or **13**. System **400** comprises circuitry **440** for registering a nutraceutical-containing dispensation from an inventory and module **470** for responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen. Circuitry **440** can adjoin, overlap, or otherwise be operable to interact with module **470**.

[**0037**] Module **470** optionally comprises circuitry **471** for determining the request quantity partly based on a user preference. Alternatively or additionally, module **470** can comprise one or more of circuitry **472** for implementing the consumption regimen, medium **473** for storing at least the request quantity, circuitry **474** for confirming the nutraceutical-containing dispensation, or medium **475** bearing one or more instructions for generating the request quantity.

[**0038**] Also as shown, alternatively or additionally, system **400** can further comprise circuitry **481** for receiving at least a portion of the consumption regimen remotely. Alternatively or additionally, system **400** can further comprise circuitry **482** for identifying a compound comprising the request quantity, circuitry **483** for receiving a user preference, circuitry **484** for authenticating a user input, circuitry **485** for receiving an update of the consumption regimen, or circuitry **486** for receiving an update of the module for responding to the registering by indicating a request quantity.

[**0039**] Referring now to FIG. **5**, there are shown various optional features of operational flow **100** of FIG. **1**. Operation **140**—registering a nutraceutical-containing dispensation from an inventory—may include one or more operations such as operation **543**, which depicts confirming the nutraceutical-containing dispensation (e.g., dispensation confirmation logic **1443** confirming that a user **1460** has removed about 6 grams of St. John's wort from nutraceutical bin **1445** over the course of a week, such as, for example, dispensation confirmation logic **1443** comparing starting and ending volumes of St. John's wort in nutraceutical bin **1445**). Operation **543** can likewise be performed by dispensation confirmation logic **1443** receiving a user input affirming the dispensation, for example, or by a module **470** that includes circuitry **474** of FIG. **4**.

[**0040**] In various implementations, user system **1400** of FIG. **14** or system **400** of FIG. **4** can alternatively or

additionally be configured to perform operation **150**—responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen—by including one or more of operation **551**, operation **552**, operation **556**, operation **557**, operation **558**, or operation **560**. Operation **551** comprises receiving a user preference (e.g., user interface **1462** receiving a preference from user **1460** that user **1460** desires a high-energy formulation of his regimen), such as can be performed by a system **400** that includes circuitry **483** of FIG. **4**.

[**0041**] Operation **552** comprises identifying a compound comprising the request quantity (e.g., compound identification logic **1496** identifying a nutraceutical such as bee pollen or ginkgo biloba). For example, if the electronic inventory **1456** indicates that the nutraceutical bin **1445** contains bee pollen and the user data **1454** indicates a preference for a high energy regimen, compound identification logic **1496** can identify bee pollen as a desirable nutraceutical by updating regimen description **1455**. In other embodiments, operation **552** can be performed a variant of system **400** that includes circuitry **482**.

[**0042**] Operation **556** comprises determining the request quantity partly based on a user preference (e.g., quantity determination logic **1490** determining that user **1460** has requested one pound of a protein supplement in response to a user preference for one-month-based purchases). The user data **1454** can also include one or more preferences relating to nutraceutical price, freshness and/or diversity, or the like. In other embodiments, operation **556** can be performed by a module **470** that includes circuitry **471** of FIG. **4**.

[**0043**] Operation **557** comprises receiving the request quantity (e.g., user interface **1462** can receive data indicating a suggested amount of 50 tablets of a vitamin B complex), which can then be displayed to user **1460** or stored for later use, for example. In other embodiments, the request quantity can likewise be received from module **470** after executing the one or more instructions for generating the request quantity borne by medium **475**.

[**0044**] Operation **558** comprises storing the request quantity (e.g., user interface **1462** storing a message in user data **1454** containing several suggested reorder amounts until user **1460** logs in again). In other embodiments, operation **558** can be performed with medium **473** of FIG. **4** or with medium **350** of FIG. **3**. These or other media of system **400** can likewise store data related to the request quantity, of course, such as other request quantities, medical history data, security information, supplier identification, user preferences, or instructions in light of teachings herein.

[**0045**] Operation **560**—performing one or more additional operations—may include one or more of the following operations: **561**, **562**, **563**, **564**, and/or **566**. Operation **561** depicts receiving an update of the consumption regimen remotely (e.g., network interface **1492** receiving an indication that a given expert's diet regimen now allows up to 280 grams of protein supplement per week). This information can then be used by scheduler **1483** or stored in regimen description **1455** for later display to user **1460**, for example.

[**0046**] Operation **562** depicts scheduling the consumption regimen (e.g., scheduler **1483** using a received update in changing the current regimen to allow at most 40 grams of protein per day). In other embodiments, operation **562** can be performed by a module **470** that includes circuitry **472** of FIG. **4**.

[**0047**] Operation **563** depicts receiving an update of a module (e.g., module update logic **1470** receiving version 2.7 of a data file relied upon by compound identification logic **1496**, and using it to replace version 2.8 previously in effect). In other embodiments, operation **563** can be performed by a system **400** that includes circuitry **486** of FIG. **4**.

[**0048**] Operation **564** depicts receiving at least a portion of the consumption regimen (e.g., network interface **1492** receiving a list of all 45 nutraceuticals that can be required by regimen X). User **1460** can use this information in determining whether regimen X will require any unusual purchases, for example. In other embodiments, operation **564** can be performed by circuitry **481** of FIG. **4** or by logic **240** of FIG. **2**, in some embodiments.

[**0049**] Operation **566** depicts authenticating a user input (e.g., authentication logic **1466** confirming the correctness of a password input by user **1460**). In other embodiments, operation **566** can be performed by a system **400** that includes circuitry **484** of FIG. **4**.

[**0050**] Referring now to FIG. **6**, there is shown another example system **600** able to perform many variants of flow **100** described with reference to one or more of FIG. **5**, **7**, **8**, **10**, **12**, or **13**. System **600** can be configured to perform these variants with or without proximity or direct interaction with any user or inventory manager, except those few variants for which context dictates otherwise.

[**0051**] System **600** includes circuitry **650** for registering a dispensation from an inventory within a module **630** for responding to the registering by indicating a request, consistent with flow **100** of FIG. **1**. As shown, module **630** can also include one or more of computing device **634**, logic **636**, or logic **638**. Circuitry **650** can optionally include one or more of logic **654**, logic **656**, or memory **658**. Storage **660** can optionally include one or more of code **667**, data **668** (which can comprise historical data or inventory data, e.g.), or other data **670** such as one or more regimens **672**, **674**.

[**0052**] In some embodiments, logic **654** can comprise logic for prompting the test result (and/or other information that may relate to the subject) by requesting a test that partly depends on a medical history of the subject, for example, by transmitting a prompting signal as output **622** to network **620**. (See FIGS. **11**&**12**.) Alternatively or additionally, system **600** can perform a flow **100** including an operation **556**, for example, based on a user preference received via input **621** and archived in storage **660**.

[**0053**] Referring now to FIG. **7**, there are shown various optional features of operational flow **100** of FIG. **1** or **5**. In various implementations, system **600** of FIG. **6** can optionally be configured to perform flow **100** with one or more of operation **743** or operation **749**.

[**0054**] Operation **743** comprises applying one or more inventory maintenance criteria to the inventory and to the nutraceutical-containing dispensation (e.g., inventory maintenance logic **1447** determining that a family's current regimen will exhaust the family's annis root in nutraceutical bin **1445** in less than a triggering time of two weeks). The criteria can likewise include a default or user-specified upper limit on a monetary value of an inventory, for example, or a maximum acceptable age of a perishable nutraceutical-containing compound. In some variants of the embodiment

of FIG. **6**, in response to receiving an input **621** indicating that a user's inventory manager is nearly full, for example, applying the criteria may accordingly reduce the request quantity to avoid spoilage, substantial investment in an ineffective or unneeded regimen, or other forms of waste. Also, system **600** optionally includes logic **638** comprising logic for querying a user responsive to the registering (at operation **749**), such as by transmitting one or more requests as output **622** to network **620**. This approach can help tailor the regimen by seeking input about a subject when a user is likely to be available, for example, around the time of the registering.

[**0055**] Operation **749** comprises querying a user responsive to the registering (e.g., user query logic **1446** sending a request to user **1460** to know whether a child still has a flu, to facilitate a decision of whether to reorder).

[**0056**] Operation **754** comprises retrieving at least a portion of the consumption regimen at least partly based on one or more attributes of a primary subject (e.g., storage logic **1450** selecting a portion of the contents of regimen description **1455** based on learning that the primary subject is a 6'2" man who is slightly overweight). In some embodiments, operation **754** can include retrieving a regimen (regimen **672** of FIG. **6**, e.g.) unique to the subject. Absent such an individualized regimen, even a few attributes such as age or symptom can form a basis for an effective regimen.

[**0057**] Operation **755** comprises selecting the request quantity partly based on an increment size of an inventory (e.g., quantity determination logic **1490** deciding to suggest a second 1-pound tin of herbal tea even when 4 single-ounce packets would have been a less costly way to reach a total of 20 ounces). In other embodiments, data **668** of FIG. **6** may identify the increment size, for example, used by computing device **634** for performing the selecting operation **755**.

[**0058**] Operation **757** comprises receiving a user input indicating at least one of a nutraceutical or a symptom (e.g., compound identification logic **1496** receiving an indication of a symptom of "having foot cramps" from subject description **1453** or user **1460**). The user input may be received via a questionnaire (electronic or paper, e.g.), for example.

[**0059**] Operation **758** comprises selecting a nutraceutical at least partly based on one or more symptoms (e.g., compound identification logic **1496** selecting calcium and magnesium citrate responsive to an indication of foot cramps).

[**0060**] Referring now to FIG. **8**, there are shown various optional features of operational flow **100** of FIG. **1**, **5**, or **7**. In various implementations, system **200** of FIG. **2** or user system **1400** of FIG. **14** can be configured to perform flow **100** with operation **140** including one or more of operation **841**, operation **843**, operation **847**, operation **848**, or operation **849**.

[**0061**] Operation **841** comprises dispensing a nutraceutical (e.g., dispensation confirmation logic **1443** sending an instruction to nutraceutical bin **1445** or to user **1460** via display **1467**). In other embodiments, inventory manager **280** likewise performs operation **841**, for example, by dispensing a nutraceutical-containing component **282** responsive to an instruction (via linkage **232**) from primary module **210**. The registering can optionally cause or enable or result from the dispensing operation **841**, or stand in some other relation to the dispensing operation **841**, conditional or otherwise.

[**0062**] Operation **843** comprises combining a mineral with an amino acid (e.g., regimen implementation logic **1480** implementing a nutraceutical combination including an amino acid chelated calcium). In other embodiments, for a subject who takes a steady regimen including more than one component (such as these), compound identification logic **1496** can optionally streamline regimen implementation by preferring multivitamins and other products that encapsulate more than one regimen component in a single article (tablet, e.g.) or otherwise consolidate consumption.

[**0063**] Operation **847** comprises registering a received antioxidant-containing component apportioned into one or more capsules (e.g., inventory maintenance logic **1447** receiving an electronic inventory update to show that vitamin C capsules have been added to nutraceutical bin **1445**). Operation **848** depicts allocating a multivitamin supplement component apportioned into one or more increments of a uniform increment size (e.g., inventory maintenance logic **1447** reserving all 100 identical tablets for the use of one person who draws from nutraceutical bin **1445**). Operation **849** comprises forming the nutraceutical-containing dispensation as a combination containing one or more of the capsules and one or more of the increments (e.g., inventory maintenance logic **1447** generating a dispensation specifying two capsules and one tablet, which dispensation can then be included in a message displayed to user **1460**).

[**0064**] FIG. **8** also shows various optional features of operational flow **100** of FIG. **1**, **5**, or **7** comprising additional operation **852**, operation **854**, or operation **856**. In various implementations, system **300** of FIG. **3** or user system **1400** of FIG. **4** can be configured to perform flow **100** with operation **150** including one or more of these additional operations.

[**0065**] Operation **852** comprises receiving a validation of at least a portion of the consumption regimen (e.g., network interface **1492** receiving a message of approval from the subject's doctor concerning a detoxifying regimen that includes calcium D-glucarate). In some embodiments relating to FIG. **3**, the validation of operation **852** can be received from user **360** or expert **314**, for example, optionally in response to an automated request for such a validation. The request can define or justify the portion of the consumption regimen briefly, for example, and specify an action (such as clicking a button or entering a code, e.g.) by which the validation can be generated. The responding operation **150** can optionally be made conditional on receiving the validation before a deadline, for example, or can otherwise affect a condition or manner by which system **300** will complete the responding operation **150**.

[**0066**] Operation **854** comprises receiving at least a portion of a health regimen that includes the consumption regimen (e.g., regimen description **1455** receiving a complete diet and exercise regimen). In some variants of FIG. **3**, for example, the portion can be received by circuitry **330** via network **320**. System **300** can present several such health regimens of interest to user **360** via interface **338**, for example, prompting user **360** to adopt one or more of the health regimens. Logic **340** can then implement one or more user-adopted regimens by storing one or more instructions

of each of the adopted regimens in medium **350** (a memory, e.g.). Likewise, as will be shown following, system **300** can perform operation **856** before, during, after, or without the above-described adoption operation. See FIG. **10**, for example.

[**0067**] Operation **856** comprises receiving one or more components of the consumption regimen (e.g., regimen description **1455** receiving a complete diet and exercise regimen). Other components of the consumption regimen can optionally be obtained, for example, by deriving them from regimen description **1455**.

[**0068**] Referring now to FIG. **9**, there are shown further optional features of system **400** of FIG. **4**. As explained above, system **400** comprises circuitry **440** for registering a nutraceutical-containing dispensation from an inventory and module **470** for responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen.

[**0069**] Module **470** optionally comprises display **971** configured for digitally indicating the request quantity. Alternatively or additionally, module **470** can comprise one or more of display **972** configured for graphically indicating the request quantity, module **973** for receiving input from a user locally, or module **974** for predicting a state of the inventory. Alternatively or additionally, module **470** can comprise signal-bearing medium **980** bearing one or more instructions such as those of FIG. **11** below.

[**0070**] Also as shown, alternatively or additionally, system **400** can further comprise circuitry **981** for accessing a network. Alternatively or additionally, system **400** can further comprise circuitry **982** for determining whether any update can be obtained for the consumption regimen, circuitry **983** for obtaining a regimen remotely, circuitry **984** for communicating with a consultant remotely, circuitry **985** for communicating with a supplier, or circuitry **986** for communicating with an inventory manager containing the inventory.

[**0071**] Referring now to FIG. **10**, there are shown various optional features of operational flow **100** of FIG. **1**, **5**, **7** or **8**. In various implementations, user system **1400** of FIG. **14** or system **400** of FIG. **9** can optionally be configured to perform flow **100** with operation **140** including one or more of operation **1041**, operation **1046**, operation **1047**, operation **1048**, or operation **1049**. Operation **1041** comprises accessing a network (e.g., user query logic **1446** contacting a consultant or other user via the Internet). In other embodiments, operation **1041** is performed by circuitry **981** in the system **400** as shown in FIGS. **4** & **9**.

[**0072**] Operation **1046** comprises receiving input from a user locally (e.g., user query logic **1446** receiving a query response from user **1460** through user interface **1462**).

[**0073**] Operation **1047** comprises predicting a state of the inventory (e.g., event predictor **1448** predicting that a supply of zinc in nutraceutical bin **1445** will run out in 28 days in lieu of restocking or a regimen change). In some embodiments, operation **1047** can be performed by a variant of system **400** comprising module **974**. The prediction may be based on one or more attributes of one or more dispensations such as the registered one(s), for example, or upon the consumption regimen or a current state of the inventory. The predicted state may be detailed, such as a complete description of each component and its ingredients, its age, its location, and the like. The predicted state may alternatively be more basic, such as "adequate" or "in need of component Z." The predicted state may also be expressed in various forms, such as a duration or a percentage.

[**0074**] Operation **1048** comprises postponing an action responsive to determining that the predicted state meets one or more criteria (e.g., scheduler **1483** postponing ordering any single item over $200 without a specific approval from user **1460**).

[**0075**] Operation **1049** comprises communicating with an inventory manager containing the inventory (e.g., dispensation confirmation logic **1443** or inventory maintenance logic **1447** communicating with inventory manager **1444** containing an inventory of supplements and medications in nutraceutical bin **1445**).

[**0076**] Operation **1052** comprises determining whether any alternative, substitute, or other update can be obtained for the consumption regimen (e.g., module update logic **1470** reviewing an accumulation of content periodically within or through network interface **1492** to determine whether the Bone-Up™ regimen has published any updates since last month). The determining can be performed by checking a mailbox, for example, or otherwise by sending a message into a network such as may be received by a server. Making a negative determination can be performed by receiving a negative reply or by waiting a given duration without receiving a reply, for example, or by making some similarly reasonable inference derived from one or more received signals.

[**0077**] Operation **1053** comprises receiving an available regimen remotely (e.g., network interface **1492** receiving a mark-up language segment relating to at least one nutraceutical from a clinic in another state). Operation **1054** comprises adopting the available regimen as the consumption regimen (e.g., module update logic **1470** responding to a user selection by changing to a simpler regimen).

[**0078**] In some embodiments, system **400** comprises circuitry **983** that can perform operation **1053** by receiving an available regimen in response to a request or subscription, for example, or may select the available regimen as a preferable regimen automatically using information about the subject.

[**0079**] Operation **1055** comprises graphically indicating the request quantity (e.g., display **1467** showing a pixel image of two bottles that can obviate a translation or enable a person to understand and approve a purchase without having to read). In some embodiments, display **972** performs operation **1055** by showing a first component that is visually distinguishable from at least a second component, such as by color or shape.

[**0080**] Operation **1056** comprises digitally indicating the request quantity (e.g., display **1467** showing a default reorder list to a nutraceutical vendor). Alternatively or additionally, indicating operation **1056** can be performed by transmitting the request quantity digitally via a conduit (of FIG. **11**, e.g.) or a wireless link (of FIG. **3**, e.g.).

[**0081**] Referring now to FIG. **11**, a system **1100** includes a signal-bearing medium **1180** that can comprise (or interact with) a conduit **1120**, a disk **1130**, an integrated circuit **1140**,

or a computing device **1150**. System **1100** can further include a dispenser **1170**. Medium **1180** can optionally bear one or more instructions **1160** comprising at least one of (a) one or more instructions for registering a nutraceutical-containing dispensation from an inventory and (b) one or more instructions for responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen.

[**0082**] Alternatively or additionally, medium **1180** can bear one or more instructions **1162** for recording the nutraceutical-containing dispensation with other medical history data of a subject. The other medical history data can include one or more prior recordings of a dispensation, for example. Alternatively or additionally, medium **1180** can bear one or more instructions **1163** for performing the nutraceutical-containing dispensation. Alternatively or additionally, medium **1180** can bear one or more instructions **1164** for prompting the nutraceutical-containing dispensation. Alternatively or additionally, medium **1180** can bear one or more instructions **1165** for detecting the nutraceutical-containing dispensation. Alternatively or additionally, medium **1180** can bear one or more instructions **1166** for determining the request quantity. Alternatively or additionally, medium **1180** can bear one or more instructions **1168** comprising at least one of (a) one or more instructions for receiving an indication of a quantity within each of one or more delivery units and (b) one or more instructions for indicating the request quantity as a number of the one or more delivery units. A given set of one or more instructions can comprise more than one of instructions **1162**-**1168**, of course, optionally executable by computing device **1150**.

[**0083**] Referring now to FIG. **12**, there are shown various optional features of operational flow **100** of FIG. **1**, **5**, **7**, **8**, or **10**. In various implementations, system **1100** of FIG. **11** can optionally be configured to perform flow **100** with operation **140** including one or more of operation **1242**, operation **1243**, operation **1246**, operation **1247**, or **1249**.

[**0084**] Operation **1242** comprises performing the nutraceutical-containing dispensation (e.g., regimen implementation logic **1480** generating a dispensation identifying a list of pharmaceuticals and nutraceuticals). In some embodiments, system **1100** performs operation **1242** by transmitting instructions **1163** via medium **1180** to dispensers **170**.

[**0085**] Operation **1243** comprises prompting the nutraceutical-containing dispensation (e.g., regimen implementation logic **1480** causing inventor manager **1444** to perform a physical dispensation immediately). This can likewise be performed by a computing device **1150**, for example, such as by transmitting a dispensing command or by otherwise causing an actuation of a dispenser.

[**0086**] Operation **1246** comprises detecting the nutraceutical-containing dispensation (e.g., dispensation confirmation logic **1443** detecting a physical dispensation from inventory manager **1444** or a planned dispensation from regimen implementation logic **1480**). In another example, operation **1246** can be performed by integrated circuit **1140** before, during, after, or without the physical dispensation. The dispensation to be registered can optionally be conditional, scheduled, or actual.

[**0087**] Operation **1247** comprises responding to a result of a test indicating a state of a subject (e.g., user query logic **1446** receiving a "yes" response after asking the user **1460** whether the subject has a fever). In some embodiments of system **1100** of FIG. **11**, for example, operation **1247** can be performed by executing one or more instructions **1166** for determining the request quantity.

[**0088**] Operation **1249** comprises recording the nutraceutical-containing dispensation with other medical history data of a subject (e.g., user query logic **1446** recording the dispensation in subject description **1453**). In some embodiments, operation **1249** is performed by computing device **1150** performing instruction(s) **1162**.

[**0089**] Operation **1251** comprises displaying a performance indicator of the regimen relating to a potential result of following the regimen (e.g., display **1467** can show a comparison between a likelihood of catching a flu with a probiotic-containing yogurt regimen and a similar likelihood without a regimen). The potential result can be tangible, intangible, subjective, objective, or some combination of these. The performance ratio or other indicator can comprise an estimated probability of a measurable improvement, a ratio of "satisfied" regimen subscribers to "dissatisfied" regimen subscribers, a record of subjective experience, an anecdotal log, a rating, a research summary, a certification, an endorsement, or some other indicator.

[**0090**] Operation **1253** comprises receiving an indication of a quantity within each of one or more delivery units (e.g., electronic inventory **1456** including an indication of a per-unit "dose"). The quantity can be a nominal increment of mass (such as milligrams of a vitamin, e.g.), a count (of eggs, e.g.), a length, or some other convenient increment. In some embodiments, a code module comprising one or more instructions **1166** performs operation **1253** before or during operation **1254**.

[**0091**] Operation **1254** comprises indicating the request quantity as a number of the one or more delivery units (e.g., regimen description **1455** describing a regimen as 2 units of item X, et cetera, with item X defined only in electronic inventory **1456**).

[**0092**] Operation **1255** comprises detecting a condition (e.g., quantity determination logic **1490** detecting a user login or other action via user interface **1462**). The condition can comprise a substantially periodic event, for example, such as an appointment, a day of the month, a time of day, a mealtime, a work break, or the like. The condition can also comprise a storm or other weather condition, a job change or price change or other economic event, a smoking habit or some other personal condition, or any other condition that may affect the subject's life.

[**0093**] The detecting can be triggered by a signal from a calendar program, an alarm clock, a sensor, a network event, or a real time trigger, for example. In some variants of embodiments described above, system **300** of FIG. **3** performs operation **150** responsive to one or more criteria that depend on the detected event(s) as well as the request quantity and the regimen. A care provider can use system **300** to adjust or otherwise update a regimen-implementing request automatically, responsive to a scheduled visit by a patient, for example, if system **300** performs operation **1256**.

[**0094**] Operation **1256** comprises responding to the condition by determining the request quantity (e.g., quantity

determination logic **1490** responding to a user action by refreshing a proposed order by using a current system time).

[**0095**] Operation **1258** comprises determining the request quantity partly based on an indication of a visible attribute or a behavior of a subject (e.g., compound identification logic **1496** and quantity determination logic **1490** identifying and ordering a quantity of non-prescription lithium responsive to chronic extreme mood swings). The subject, a psychologist, a psychiatrist, a parent, or some other observer may provide an objective indication (conscious, e.g.), for example, or a subjective indication (irritable or fatigued, e.g.) of the attribute or behavior. The request quantity may be zero if the visible attribute or the behavior indicates a negative reaction by the subject to a component of that regimen, for example. The indication may relate to a facial attribute ("bags under the eyes," e.g.), some other skin condition ("rash," e.g.), or any other visible attribute of a subject.

[**0096**] Operation **1259** comprises indicating the request quantity via a display of a hand-held device (e.g., display **1467** indicating the quantity via a cell phone, a camera, or a hybrid device). In various embodiments, any of the above-described systems can optionally include a display, for example. Alternatively or additionally, the system can comprise a hand-held device such as a cell phone, wrist watch or the like.

[**0097**] Referring now to FIG. **13**, there are shown various optional features of operational flow **100** of FIG. **1**, **5**, **7**, **8**, **10**, or **12**. Operation **140**—registering a nutraceutical-containing dispensation from an inventory—may include one or more of the following operations: **1341**, **1342**, **1343**, **1344**, or **1345**. Operation **1341** depicts listing one or more nutraceuticals and one or more pharmaceuticals in the nutraceutical-containing dispensation (e.g., regimen implementation logic **1480** including these items in a displayed or transmitted dispensation). Operation **1342** depicts listing a vitamin and/or a mineral in the nutraceutical-containing dispensation (e.g., regimen implementation logic **1480** including these items in a displayed or transmitted dispensation). Operation **1343** depicts listing a protein, an amino acid, an oil, and/or a fat in the nutraceutical-containing dispensation (e.g., regimen implementation logic **1480** including these items in a displayed or transmitted dispensation). Operation **1344** depicts listing a traditional remedy in the nutraceutical-containing dispensation (e.g., regimen implementation logic **1480** including these items in a displayed or transmitted dispensation). Operation **1345** depicts receiving a user report of the nutraceutical-containing dispensation (e.g., user query logic **1446** requesting and receiving a notification from user **1460** that the dispensation is planned).

[**0098**] Operation **1360**—performing one or more additional operations—may include one or more of the following operations: **1361**, **1362**, **1363**, **1364**, **1366**, **1368**, or

[**0099**] 1369. Operation **1361** depicts receiving a request for a subscription (e.g., user interface **1462** receiving a decision that user **1460** is subscribing to the Adkins diet). Operation **1362** depicts obtaining data from one or more remote sources (e.g., registration logic receiving the registration(s) as the obtained data from a nutraceutical bin **1445** that can be remote). Operation **1363** depicts obtaining data via a network (e.g., network interface **1492** receiving data via the Internet).

[**0100**] Operation **1364** depicts receiving at least one of a diagnosis or one or more observations (e.g., subject description **1453** receiving an indication that a particular subject has rheumatoid arthritis). Operation **1366** depicts receiving at least one of a prognosis or another prediction (e.g., subject description **1453** receiving an indication that a 2-week convalescence is expected). The diagnosis or prognosis can optionally be based on one or more test results and/or reports by others, observations, predictions, reports, history, or other indications of status. The diagnosis or prognosis may relate to a subject who has adopted the consumption regimen, for example, and may warrant storing the diagnosis in a medical history. The subject may be diagnosed as having an allergy to seafood, for example, which may bear against a fish oil supplement. Substantially the same criterion ("no fish," e.g.) may effectively become a part of a given subject's regimen in other circumstances as well. It may arise from a received user instruction or preference ("no fish," e.g.), a user status ("vegan," e.g.), or otherwise arise from a received input (via interface **1462**, e.g.). The subject may be diagnosed with osteoporosis, as another example, which may bear toward a calcium-containing (or higher-calcium) regimen.

[**0101**] Operation **1368** comprises communicating with a consultant remotely (e.g., network interface **1492** automatically notifying a subject's dietician at a remote facility). Operation **1369** comprises communicating with a supplier (e.g., network interface **1492** requesting the supplier's availability and lead times for products of interest). These operations can generate timely information about the availability or advisability of an available regimen, for example, facilitating appropriate adjustments at operation **150**. Many embodiments described herein allow for a more sophisticated and cost-effective approach to building and maintaining an inventory of effective remedies.

[**0102**] Those having skill in the art will recognize that the state of the art has progressed to the point where there is little distinction left between hardware and software implementations of aspects of systems; the use of hardware or software is generally (but not always, in that in certain contexts the choice between hardware and software can become significant) a design choice representing cost vs. efficiency tradeoffs. Those having skill in the art will appreciate that there are various vehicles by which processes and/or systems and/or other technologies described herein can be effected (e.g., hardware, software, and/or firmware), and that the preferred vehicle will vary with the context in which the processes and/or systems and/or other technologies are deployed. For example, if an implementer determines that speed and accuracy are paramount, the implementer may opt for a mainly hardware and/or firmware vehicle; alternatively, if flexibility is paramount, the implementer may opt for a mainly software implementation; or, yet again alternatively, the implementer may opt for some combination of hardware, software, and/or firmware. Hence, there are several possible vehicles by which the processes and/or devices and/or other technologies described herein may be effected, none of which is inherently superior to the other in that any vehicle to be utilized is a choice dependent upon the context in which the vehicle will be deployed and the specific concerns (e.g., speed, flexibility, or predictability) of the implementer, any of which may vary. Those skilled in the art will recognize that optical aspects of implementations will typically employ optically-oriented hardware, software, and or firmware.

[0103] The foregoing detailed description has set forth various embodiments of the devices and/or processes via the use of block diagrams, flowcharts, and/or examples. Insofar as such block diagrams, flowcharts, and/or examples contain one or more functions and/or operations, it will be understood by those within the art that each function and/or operation within such block diagrams, flowcharts, or examples can be implemented, individually and/or collectively, by a wide range of hardware, software, firmware, or virtually any combination thereof. In one embodiment, several portions of the subject matter described herein may be implemented via Application Specific Integrated Circuits (ASICs), Field Programmable Gate Arrays (FPGAs), digital signal processors (DSPs), or other integrated formats. However, those skilled in the art will recognize that some aspects of the embodiments disclosed herein, in whole or in part, can be equivalently implemented in integrated circuits, as one or more computer programs running on one or more computers (e.g., as one or more programs running on one or more computer systems), as one or more programs running on one or more processors (e.g., as one or more programs running on one or more microprocessors), as firmware, or as virtually any combination thereof, and that designing the circuitry and/or writing the code for the software and or firmware would be well within the skill of one of skill in the art in light of this disclosure. In addition, those skilled in the art will appreciate that the mechanisms of the subject matter described herein are capable of being distributed as a program product in a variety of forms, and that an illustrative embodiment of the subject matter described herein applies regardless of the particular type of signal bearing medium used to actually carry out the distribution. Examples of a signal bearing medium include, but are not limited to, the following: a recordable type medium such as a floppy disk, a hard disk drive, a Compact Disc (CD), a Digital Video Disk (DVD), a digital tape, a computer memory, etc.; and a transmission type medium such as a digital and/or an analog communication medium (e.g., a fiber optic cable, a waveguide, a wired communications link, a wireless communication link, etc.).

[0104] While particular aspects of the present subject matter described herein have been shown and described, it will be apparent to those skilled in the art that, based upon the teachings herein, changes and modifications may be made without departing from this subject matter described herein and its broader aspects and, therefore, the appended claims are to encompass within their scope all such changes and modifications as are within the true spirit and scope of this subject matter described herein. Furthermore, it is to be understood that the invention is solely defined by the appended claims. It will be understood by those within the art that, in general, terms used herein, and especially in the appended claims (e.g., bodies of the appended claims) are generally intended as "open" terms (e.g., the term "including" should be interpreted as "including but not limited to," the term "having" should be interpreted as "having at least," the term "includes" should be interpreted as "includes but is not limited to," etc.). It will be further understood by those within the art that if a specific number of an introduced claim recitation is intended, such an intent will be explicitly recited in the claim, and in the absence of such recitation no such intent is present. For example, as an aid to understanding, the following appended claims may contain usage of the introductory phrases "at least one" and "one or more" to introduce claim recitations. However, the use of such phrases should not be construed to imply that the introduction of a claim recitation by the indefinite articles "a" or "an" limits any particular claim containing such introduced claim recitation to inventions containing only one such recitation, even when the same claim includes the introductory phrases "one or more" or "at least one" and indefinite articles such as "a" or "an" (e.g., "a" and/or "an" should typically be interpreted to mean "at least one" or "one or more"); the same holds true for the use of definite articles used to introduce claim recitations. In addition, even if a specific number of an introduced claim recitation is explicitly recited, those skilled in the art will recognize that such recitation should typically be interpreted to mean at least the recited number (e.g., the bare recitation of "two recitations," without other modifiers, typically means at least two recitations, or two or more recitations). Furthermore, in those instances where a convention analogous to "at least one of A, B, and C, etc." is used, in general such a construction is intended in the sense one having skill in the art would understand the convention (e.g., "a system having at least one of A, B, and C" would include but not be limited to systems that have A alone, B alone, C alone, A and B together, A and C together, B and C together, and/or A, B, and C together, etc.). In those instances where a convention analogous to "at least one of A, B, or C, etc." is used, in general such a construction is intended in the sense one having skill in the art would understand the convention (e.g., "a system having at least one of A, B, or C" would include but not be limited to systems that have A alone, B alone, C alone, A and B together, A and C together, B and C together, and/or A, B, and C together, etc.). It will be further understood by those within the art that any disjunctive word and/or phrase presenting two or more alternative terms, whether in the description, claims, or drawings, should be understood to contemplate the possibilities of including one of the terms, either of the terms, or both terms. For example, the phrase "A or B" will be understood to include the possibilities of "A" or "B" or "A and B." Moreover, "can" and "optionally" and other permissive terms are used herein for describing optional features of various embodiments. These terms likewise describe selectable or configurable features generally, unless the context dictates otherwise.

[0105] The herein described aspects depict different components contained within, or connected with, different other components. It is to be understood that such depicted architectures are merely exemplary, and that in fact many other architectures can be implemented which achieve the same functionality. In a conceptual sense, any arrangement of components to achieve the same functionality is effectively "associated" such that the desired functionality is achieved. Hence, any two components herein combined to achieve a particular functionality can be seen as "associated with" each other such that the desired functionality is achieved, irrespective of architectures or intermedial components. Likewise, any two components so associated can also be viewed as being "operably connected," or "operably coupled," to each other to achieve the desired functionality. Any two components capable of being so associated can also be viewed as being "operably couplable" to each other to achieve the desired functionality. Specific examples of operably couplable include but are not limited to physically mateable and/or physically interacting components and/or

wirelessly interactable and/or wirelessly interacting components and/or logically interactable and/or logically interacting components.

[0106] While certain features of the described implementations have been illustrated as disclosed herein, many modifications, substitutions, changes and equivalents will now occur to those skilled in the art. It is, therefore, to be understood that the appended claims are intended to cover all such modifications and changes as fall within the true spirit of the embodiments of the invention.

1. A method comprising:

registering a nutraceutical-containing dispensation from an inventory; and

responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen.

2. (canceled)

3. (canceled)

4. (canceled)

5. The method of claim 1, wherein responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen comprises:

receiving a user preference; and

identifying a compound comprising the request quantity.

6. (canceled)

7. (canceled)

8. (canceled)

9. The method of claim 1, wherein responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen comprises:

receiving the request quantity; and

storing the request quantity.

10. (canceled)

11. (canceled)

12. (canceled)

13. (canceled)

14. (canceled)

15. The method of claim 1, further comprising:

receiving at least a portion of the consumption regimen.

16. (canceled)

17. The method of claim 1, further comprising:

receiving a request for a subscription.

18. (canceled)

19. (canceled)

20. (canceled)

21. (canceled)

22. The method of claim 1, wherein responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen comprises:

retrieving at least a portion of the consumption regimen at least partly based on one or more attributes of a primary subject.

23. (canceled)

24. The method of claim 1, wherein responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen comprises:

receiving a user input indicating at least one of a nutraceutical or a symptom.

25. (canceled)

26. (canceled)

27. (canceled)

28. (canceled)

29. The method of claim 1, wherein registering a nutraceutical-containing dispensation from an inventory comprises:

allocating a multivitamin supplement component apportioned into one or more increments of a uniform increment size.

30. (canceled)

31. (canceled)

32. (canceled)

33. (canceled)

34. (canceled)

35. (canceled)

36. (canceled)

37. (canceled)

38. (canceled)

39. (canceled)

40. (canceled)

41. The method of claim 1, wherein responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen comprises:

receiving an available regimen remotely; and

adopting the available regimen as the consumption regimen.

42. (canceled)

43. (canceled)

44. The method of claim 1, wherein registering a nutraceutical-containing dispensation from an inventory comprises:

predicting a state of the inventory.

45. (canceled)

46. (canceled)

47. (canceled)

48. (canceled)

49. (canceled)

50. (canceled)

51. The method of claim 1, wherein responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen comprises:

displaying a performance indicator of the regimen relating to a potential result of following the regimen.

52. (canceled)

53. The method of claim 1, wherein responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen comprises:

receiving an indication of a quantity within each of one or more delivery units; and

indicating the request quantity as a number of the one or more delivery units.

54. (canceled)

55. The method of claim 1, wherein responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen comprises:

detecting a condition; and

responding to the condition by determining the request quantity.

56. The method of claim 1, wherein responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen comprises:

determining the request quantity partly based on an indication of a visible attribute or a behavior of a subject.

57. (canceled)

58. (canceled)

59. (canceled)

60. (canceled)

61. (canceled)

62. (canceled)

63. (canceled)

64. (canceled)

65. A system comprising:

means for registering a nutraceutical-containing dispensation from an inventory; and

means for responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen.

66. (canceled)

67. (canceled)

68. (canceled)

69. (canceled)

70. (canceled)

71. The system of claim 65, wherein the means for responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen comprises:

means for storing the request quantity.

72. (canceled)

73. (canceled)

74. (canceled)

75. (canceled)

76. (canceled)

77. (canceled)

78. The system of claim 65, wherein the means for registering a nutraceutical-containing dispensation from an inventory comprises:

means for applying one or more inventory maintenance criteria to the inventory and to the nutraceutical-containing dispensation.

79. (canceled)

80. The system of claim 65, further comprising:

means for receiving at least one of a prognosis or another prediction.

81. The system of claim 65, wherein the means for registering a nutraceutical-containing dispensation from an inventory comprises:

means for querying a user responsive to the registering.

82. The system of claim 65, wherein the means for responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen comprises:

means for retrieving at least a portion of the consumption regimen at least partly based on one or more attributes of a primary subject.

83. (canceled)

84. (canceled)

85. The system of claim 65, wherein the means for responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen comprises:

means for selecting a nutraceutical at least partly based on one or more symptoms.

86. (canceled)

87. (canceled)

88. (canceled)

89. (canceled)

90. (canceled)

91. (canceled)

92. The system of claim 65, wherein the means for responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen comprises:

means for receiving at least a portion of a health regimen that includes the consumption regimen.

93. (canceled)

94. (canceled)

95. (canceled)

96. (canceled)

97. (canceled)

98. (canceled)

99. (canceled)

100. (canceled)

101. The system of claim 65, wherein the means for responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen comprises:

means for adopting the available regimen as the consumption regimen.

102. The system of claim 65, wherein the means for responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen comprises:

means for graphically indicating the request quantity.

103. (canceled)

104. (canceled)

105. (canceled)

106. The system of claim 65, wherein the means for registering a nutraceutical-containing dispensation from an inventory comprises:

means for performing the nutraceutical-containing dispensation.

107. The system of claim 65, wherein the means for registering a nutraceutical-containing dispensation from an inventory comprises:

means for prompting the nutraceutical-containing dispensation.

108. (canceled)

109. The system of claim 65, wherein the means for registering a nutraceutical-containing dispensation from an inventory comprises:

means for responding to a result of a test indicating a state of a subject

110. (canceled)

111. (canceled)

112. (canceled)

113. (canceled)

114. (canceled)

115. The system of claim 65, wherein the means for responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen comprises:

means for determining the request quantity partly based on an indication of a visible attribute or a behavior of a subject.

116. (canceled)

117. (canceled)

118. (canceled)

119. The system of claim 65, wherein the means for registering a nutraceutical-containing dispensation from an inventory comprises:

means for receiving a user report of the nutraceutical-containing dispensation.

120. A system comprising:

circuitry for registering a nutraceutical-containing dispensation from an inventory; and

a module for responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen.

121. The system of claim 120, wherein the module for responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen comprises:

circuitry for determining the request quantity partly based on a user preference.

122. (canceled)

123. (canceled)

124. The system of claim 120, wherein the module for responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen comprises:

circuitry for confirming the nutraceutical-containing dispensation.

125. (canceled)

126. (canceled)

127. The system of claim 120, further comprising:

circuitry for identifying a compound comprising the request quantity.

128. (canceled)

129. The system of claim 120, further comprising:

circuitry for authenticating a user input.

130. (canceled)

131. The system of claim 120, further comprising:

circuitry for receiving an update of the module for responding to the registering by indicating a request quantity.

132. (canceled)

133. (canceled)

134. (canceled)

135. (canceled)

136. (canceled)

137. (canceled)

138. The system of claim 120, further comprising:

circuitry for determining whether any update can be obtained for the consumption regimen.

139. The system of claim 120, further comprising:

circuitry for obtaining a regimen remotely.

140. The system of claim 120, further comprising:

circuitry for communicating with a consultant remotely.

141. (canceled)

142. The system of claim 120, further comprising:

circuitry for communicating with an inventory manager containing the inventory.

143. (canceled)

144. (canceled)

145. (canceled)

146. A system comprising:

a computing device; and

at least one of one or more instructions for registering a nutraceutical-containing dispensation from an inventory; and one or more instructions for responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen.

147. (canceled)

148. (canceled)

149. (canceled)

150. (canceled)

151. The system of claim 146, further comprising:

one or more instructions for recording the nutraceutical-containing dispensation with other medical history data of a subject.

152. (canceled)

153. (canceled)

154. (canceled)

155. (canceled)

156. The system of claim 146, further comprising:

at least one of

one or more instructions for receiving an indication of a quantity within each of one or more delivery units; and

one or more instructions for indicating the request quantity as a number of the one or more delivery units.

157. A computer program product comprising:

a signal-bearing medium bearing at least one of

one or more instructions for registering a nutraceutical-containing dispensation from an inventory; and

one or more instructions for responding to the registering by indicating a request quantity partly based on the inventory and partly based on a consumption regimen.

158. (canceled)

159. (canceled)

160. (canceled)

161. (canceled)

162. (canceled)
163. (canceled)
164. (canceled)
165. (canceled)
166. (canceled)

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