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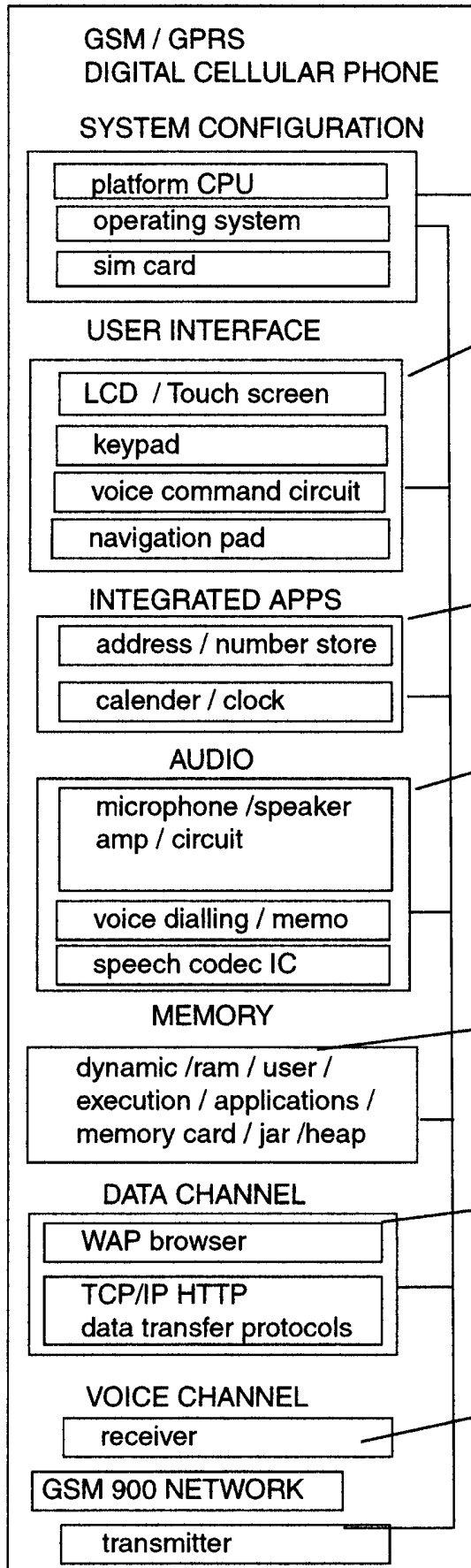
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(54) Abstract Title: **Mobile telephony enabled handset audio message application**

(57) An application for mobile telephony enabled handsets whereby the user may record and save to the application sound samples from variable sources external to or from within the phone including during live calls such samples being termed audioclips and thereafter to link the said audioclips to one or more input or stored contact numbers in any sequence and thereafter direct the phone to call such numbers via an autodialler and upon such call or sequence of calls being answered replay the audioclip or audioclips to the called party such calls as fail being rediallable and both autodialler and auto-redialler having a facility to schedule their operations such as to allow such calls or redialled calls and associated audioclip replays to be undertaken at any given future time and date and in any sequence.

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1b



2



1c

1d

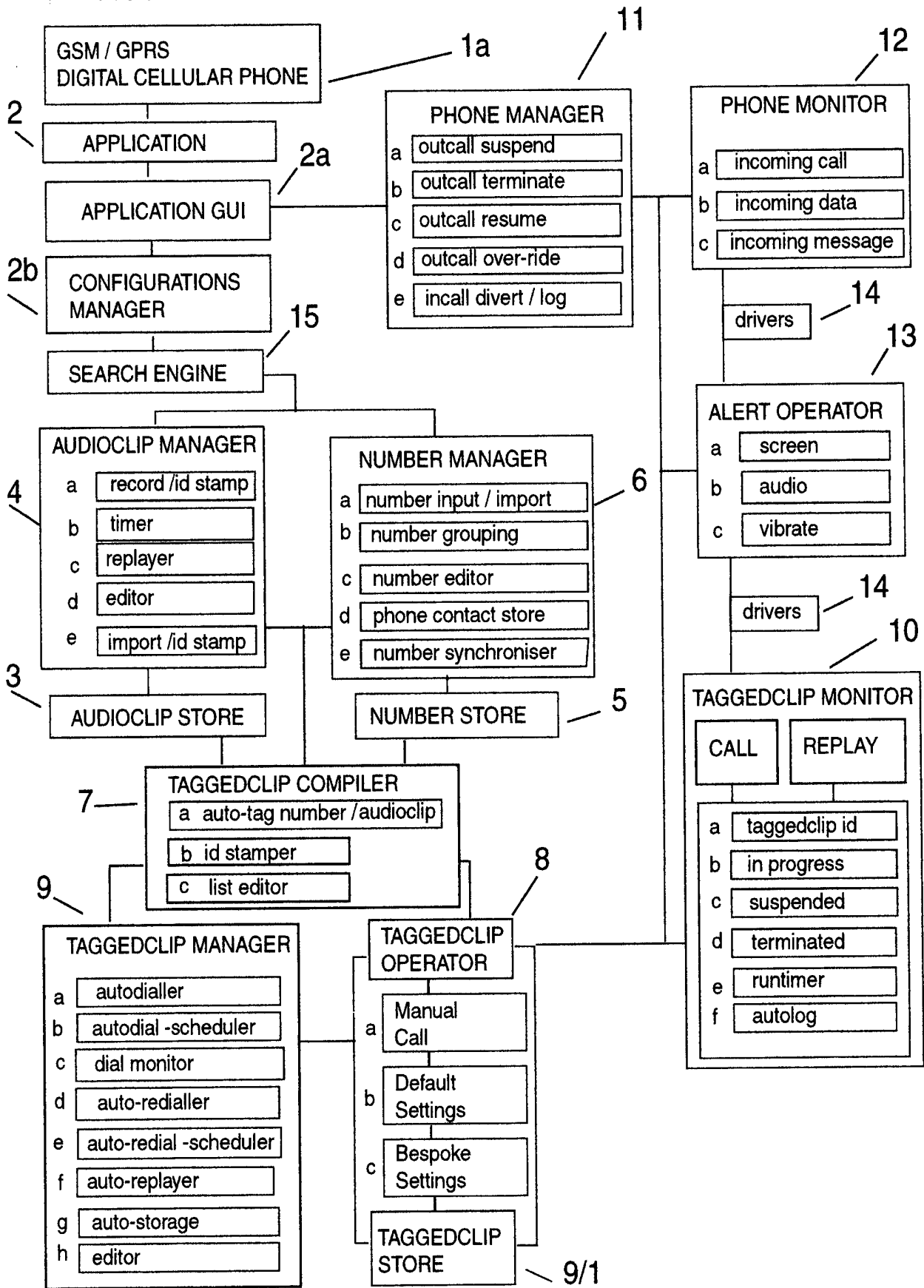
1e

1f

1g

1h

FIGURE 2 SHEET 2/2



## **MOBILE TELEPHONY ENABLED HANDSET AUDIO MESSAGE APPLICATION**

This invention relates to an application for the transmission of audio messages from mobile telephony enabled handsets to other mobile telephony enabled handsets and other phones.

Mobile phones provide a range of benefits among which is the ability to send text messages from mobile to mobile via a service known as sms (Short Message Service). This service saves users waiting for a call to be answered or engaging in conversation or speaking to an answering service if the called phone is busy or unavailable.

Sms however has limitations such as the need to manipulate and navigate a small multi-letter keypad which makes texting slow and often inconvenient. Texting also limits direct immediate expression and nuances normally and easily conveyable by speech.

This limitation has been addressed in part by provision of two services which allow voice messages between mobile phones. However both services also have limitations.

The first service may be termed 'interactive relay' and requires active interaction by both the caller and the called person with an intermediate agent which is normally an automated internet server. In operation the service has four stages whereby the caller contacts a server via sms, the server call back to accept the message, the server then contacts the called person via sms and the called person calls the server to collect the message.

This service presents problems for caller due to the need to input an sms message and then await a response from a server which may be busy or unavailable making sending the message slow and uncertain. It also presents problems for the called person due to their need to first read and decipher a text message and then call a server which may be busy or unavailable making receiving the message slow, expensive and uncertain.

The second service is known as MMS (multimedia message service) and enables the caller to compose a message with a combination of sound text and pictures and send such a message direct to the called persons phone.

However, this service also has a range of problems. The first is the need for each party to possess an mms enabled phone which are new, relatively expensive and currently few in number which restricts the service to a small minority of users for the present time and the near future. The second is that each message is classified and managed as a discrete data package whose cost of transmission is separate to and more expensive than a normal voice call and requires an additional subscription per month by any user.

The present invention provides a means to transmit recorded voice and sound messages from mobile to mobile in a fashion which addresses both the problems of 'interactive relay' by being simple, direct, quick, reliable and uni-directional; and addresses the problems of mms by using the less expensive voice channel and by extending the number of persons able to receive such a message to all phone users both mobile and fixed line.

#### APPLICATION

According to the present invention there is provided an application for mobile cellular phones and / or mobile telephony enabled handheld devices (hereafter included within the term 'phone') such application residing either on the phone operating system such operating system being optionally but not limited to EPOC / Symbian / Pocket PC 2002 / Smartphone 2002 or on the phone sim card or smart card or on the phone platform processor or any combination thereof

#### APPLICATION CODE

such application being optionally written in code such as but not limited to Java and / or J2ME (Java 2 Micro Edition) and / or PJAЕ (Personal Java Application Environment) and / or C++ and / or Visual Basic (VB) and / or BREW and / or derivatives thereof or any other such code or codes as the compiler or programmer shall select as being compatible with the creation of such application for cellular mobile phones or mobile telephony enabled handheld devices

#### GUI

In addition the present application provides access to and interaction with the existing phone facilities and controls and functions and screen display and GUI (Graphical User Interface) through a dedicated application GUI such as to enable the application to be accessed viewed and managed via the phone by the user such GUI to include use of touch screens and voice recognition control where provided by a given phone

### **PHONE NUMBER STORE**

In addition the present application provides access to such memory store or other memory facility as the phone provides whether dedicated or dynamic or sim card based for the holding or listing or storage of contact number names and other data (hereafter termed 'numbers') and a means to select such numbers in single multiple linked or sequential linked form such as to form number groups for direct use by the application or by way of import into the application for subsequent use

### **APPLICATION NUMBER STORE**

In addition the present application provides a dedicated application based memory store (hereafter termed 'number store') for contact names and / or phone numbers (hereafter termed 'numbers') such memory store being accessible to both the said application and the phone or handset

### **NUMBER MANAGER**

In addition the present application provides a range of contact data or number management tools functions and control facilities (hereafter collectively termed 'number manager') providing the user therein or thereby with several means to organise and manage and manipulate and control such numbers and / or contact data including but not limited to the means to number input number transfer number import number edit and number organise by way of creation of distinct named or unnamed groups (hereafter termed 'number groups') and in addition optional access and selection of numbers from the provided phone memory contact store

### **AUDIOCLIP MEMORY STORE**

In addition the present application provides a dedicated memory store and / or access to and use of a phone based memory store or source for the temporary or permanent storage of discrete sound samples or patterns such as voice or voices or music or other such sounds as are recordable and audible to the human ear such discrete sounds or sound samples of any kind being hereafter termed for convenience 'audioclips' and such memory store being hereafter termed for convenience 'audioclip store' such audioclips held within the audioclip store including optional pre-installed audioclips provided with the application and such audioclips as are created or imported into the application being optionally saved to the memory store on a default or manual basis.

**AUDIOCLIP MANAGER**

In addition such application having a range of audioclip management tools functions and control facilities (hereafter collectively termed 'audioclip manager') providing the user therein or thereby with several means to organise and manage and manipulate and control such audioclips such means including but not limited to

**AUDIOCLIP RECORDER**

an audioclip recorder having a functional / control connection to the internal phone microphone and / or a dedicated application based sound recording circuit such as to enable the application to record one or more audioclips optionally in sequence or in grouped sequence in the form of voice or any other sounds originating both externally to the phone and internally within the phone via an integrated speaker or other provided or application based sound generating or synthesising or amplification system and including captured voice or sounds generated during use of the handset or phone for live calls made by or received by the said handset or phone

**AUDIOCLIP TIMER**

In addition the present application provides via the aforementioned audioclip manager or otherwise an audioclip timing facility or timer whereby the duration of any audioclip may be recorded and made accessible to the user visually or as data or otherwise enabling viewing or access to such by way of information on the duration of any audioclip during recording or any audioclip previously recorded or imported or otherwise made available to the application such timer having the optional facility of indicating available audioclip recording memory left to the application at any time prior during or after such recording

**AUDIOCLIP ID STAMPER**

In addition the present application provides via the aforementioned audioclip manager or otherwise an automatic or manual naming or labelling (hereafter termed id stamping) of created or imported or captured audioclips via numeric or alphabetic or other protocol such protocol thereby creating a reference id for each audioclip such id being editable by way of deletion or alteration or replacement and hereafter for convenience termed an 'id stamp' and the facility which creates the id being termed an 'id stamper'

**AUDIOCLIP EDITOR**

In addition the present application provides via the aforementioned audioclip manager or otherwise an editor function enabling created or stored audioclips to be shortened added to spliced together and otherwise manipulated

**AUDIOCLIP IMPORT**

In addition the present application provides via the aforementioned audioclip manager or otherwise an audioclip import facility whereby audioclips in the form of recorded voice or other sound samples or patterns may be imported in whole or part from other memory sources or stores within the phone and also external sources including remote sources via standard data transfer protocols including but not limited to Wap and TCP / IP infra-red and bluetooth

**AUDIOCLIP REPLAYER**

In addition the present application provides via the aforementioned audioclip manager or otherwise an audioclip player or replayer or means to replay or reproduce any audioclip or selected sequence of audioclips in the form of voice music or other sound whether created by the application or input or captured or imported or stored or otherwise accessible to the application via the use of application based or phone based or combined phone and application based sound reproduction systems and related circuits amplifiers and speakers pre-contained within the phone and / or provided within the application and such replayer being subject to both automated and manual control

**TAGGEDCLIPS**

In addition the present application provides a dedicated facility function or means to temporarily or permanently link or attach or associate singly or in any sequence any contact number or numbers or number group created by stored within or accessible to the application together with any given audioclip or audioclips created by stored within or accessible to the phone and / or application in any order such process of linkage or attachment or association hereafter termed for convenience 'tagging'

**TAGGEDCLIP COMPILER**

In addition the present application provides that such 'tagging' as hitherto described thereby creates a new and distinct data reference unit within the application hereafter for convenience termed a "taggedclip" and such tools facilities functions and associated management options within the application by which such taggedclips are created or generated being hereafter termed for convenience a 'taggedclip compiler'



### **TAGGEDCLIP ID STAMPER**

In addition the present application provides via the aforementioned taggedclip compiler or otherwise the additional facility of automatic or manual naming or labelling (hereafter termed id stamping) of created taggedclips via numeric or alphabetic or other protocol such protocol thereby creating a reference id for each taggedclip such id being editable by way of deletion or alteration or replacement and hereafter for convenience termed an 'id stamp' and the facility which creates the id an 'id stamper'

### **TAGGEDCLIP LIST EDITOR**

In addition the present application provides via the aforementioned audioclip manager or otherwise an automated and manual number and audioclip list editor whereby any taggedclip containing several numbers and / or several audioclips may have the sequence of either or both determined via original selection on an automated default basis or via manual ordering thereafter at any time such sequences thereafter determining the order in which the said numbers and / or said audioclips are used and accessed by the application

### **TAGGEDCLIP STORE**

In addition the present application provides a taggedclip memory store enabling temporary or permanent storage for any taggedclip created by or otherwise accessible to the application at any time by reference to its id such storage being either manual or by optional automated default and the system of such storage being such as to distinguish between any taggedclip pending use and any taggedclip post use

### **TAGGEDCLIP MANAGER**

In addition such application provides a range of taggedclip management tools functions and control facilities (hereafter collectively termed 'taggedclip manager') such manager providing the means to organise and manage and manipulate and control such taggedclips such means including but not limited to

### **AUTODIALLER**

an autodialler or means to activate the automated dialling of any number or numbers or number group within a taggedclip in any order or sequence the order of such sequence of such autodialled numbers being determined on a default basis by the order in which such numbers are selected during original selection or inclusion within the taggedclip or as may optionally thereafter be determined by the user at any time prior to autodialling

### **AUTODIAL SCHEDULER**

In addition the present application provides via the aforementioned taggedclip manager or otherwise an autodial scheduler or means to schedule the operation of the autodialler and its related functions via reference to a calendar / clock within the application and / or pre-existing on the phone so as to enable the scheduled calling of any taggedclip number or numbers or number group and / or a sequence of several taggedclips such autodialling being schedulable for any specified future date and time or at pre-set intervals and such scheduled taggedclips being automatically stored pending use with such schedule as is applicable viewable by the user and open to amendment or cancellation at any time

### **DIAL MONITOR**

In addition the present application provides via the aforementioned taggedclip manager or otherwise a dial monitor or other means by which the autodialler may recognise any given taggedclip call or calls as failed for example when a given number is busy or otherwise unavailable for any reason such dial monitor having an integrated ring counter such that when a pre-set or default or manually determined sequence of rings to any number is exceeded such call is automatically terminated such call monitor having an additional optional function that where a given call fails for any reason the autodialler automatically initiates any further calls scheduled or sequential to the failed call or calls

### **AUTO-RE-DIALLER**

In addition the present application provides via the aforementioned taggedclip manager or otherwise an auto-redialler having the functionality of optionally automatically redialling any autodialled number or number sequence or number group immediately on failure of a given call or where such call is one of a sequence or number group immediately after remaining uncalled numbers have been autodialled in their specified sequence such redialling being optionally configured as a single or multiple or continuous redial as specified by the user such auto-redialler having a means to optionally prioritise any one or more failed calls such that the said call or calls are redialled continuously or at predetermined intervals until answered such auto-redialler having in addition a manual over-ride or manually operating option

### **AUTO-REDIAL SCHEDULER**

In addition the present application provides via the aforementioned taggedclip manager or otherwise an auto-redial scheduler or means to schedule the auto-redialler and its related functions so as to enable the auto-redial of any terminated or failed call or calls to a taggedclip number for any future date and time or at pre-set intervals

**AUDIOCLIP AUTO-REPLAYER**

In addition the present application provides via the aforementioned taggedclip manager or otherwise an audioclip auto-replayer configured so as to automatically trigger the replay of any audioclip or combination or sequence of audioclips contained within a taggedclip when a linked or contained number within the taggedclip is called and answered by the called party such replay being repeatable via a range of settings including but not limited to single multiple and continuous replays the sequence of such replays being determined by the optional default or manual order sequencing of the selected audioclips during or after original selection or inclusion within the taggedclip

**REPLAY / CALL TERMINATOR**

In addition the present application provides via the aforementioned taggedclip manager or otherwise an audioclip auto-replayer having the optional facility for manual or automated default termination of any replay when a specified single or replay sequence is complete or when any call during which such replay is activated is terminated by the called party and thereafter to trigger commencement of further taggedclip calls if any such calls are queued waiting or scheduled

**TAGGEDCLIP OPERATOR**

In addition the present application provides a dedicated taggedclip operator or means for the manual or default or bespoke or otherwise user configurable initiation of all taggedclip based calls subject to such user preferences and settings as the application provides and including a manual over-ride for direct initiation of any given taggedclip based call or calls at any time following a given taggedclip compilation

**PHONE MONITOR**

In addition the present application provides a means for the status of any phone function or activity to be optionally displayed on the phone screen and / or logged for later review thereby providing information including but not limited to phone activity such as the occurrence of incoming calls, data or messages such display and / or log being optionally linked to an alert operator activated by specified phone functions and / or activities on an automated response setting employing such alerts as the phone or application provides

### **TAGGEDCLIP MONITOR**

In addition the present application provides a means for the status of any taggedclip function or activity to be optionally displayed on the phone screen and / or logged for later review thereby providing information including but not limited to the status and progress of an taggedclip call or calls and related audioclip replays such display and / or log being optionally linked to an alert operator on an automated response setting and employing such alerts as the phone or application provides

### **ALERT OPERATOR**

In addition the present application provides an alert operator system linked to the phone and / or selected functions and activities within the phone and application such alert system providing and / or being configurable to provide triggered alerts including where available screen alerts and / or audio alerts and / or vibration alerts in response to given phone activated events such as for example incoming calls data or messages and / or user specified or default application events such alerts optionally being accorded drivers within the application

### **PHONE MANAGER**

In addition the present application provides an incoming and outgoing call management facility (hereafter termed a 'phone manager') such manager enabling the user to prioritise manually or by default any phone operation such as incoming calls data or messages or any application operation such as taggedclip calls or related audioclip replays

such prioritisation including the option to auto trigger visual and / or audio and / or other available alerts and the option to auto suspend and subsequently resume or terminate non priority application operations and the option to auto terminate or auto divert and / or auto log non priority phone operations and in all cases the option to manually over-ride any priority related configuration or option at any time

### **SEARCH ENGINE**

In addition the present invention provides a search engine or means to search for any data stored within the application including but not limited to numbers audioclips and taggedclips such search using references including but not limited to any name or number or code or any part or parts thereof

### **CONFIGURATIONS MANAGER**

In addition the present invention provides a central default settings and / or preferences and / or configurations manager (hereafter termed 'configurations manager') being a centralised means to set and input preferences and settings and configurations for any configurable operation or function or facility of the application where available such manager operating in addition to and connected with any local preferences or settings or configurations input by the user at any point or stage during use of the application such being configurable either manually or by way of automated default or by way of multiple bespoke settings and the user having the option at any time to save replace and / or manually over-ride or otherwise manage such settings as the application provides

### **DATA EDITOR**

In addition the present invention provides a general editor function enabling active editing from variable points within the application of any editable entry or data including but not limited to any contact entry or phone number or numbers or audioclip or audioclips or taggedclip or taggedclips whether input recorded imported or otherwise brought into use within the application for such purposes as but not limited to adding or deleting or replacing or dividing / combining / splicing / rejoining any whole or component part of any given editable entry or data

### **AUTO-STORAGE**

In addition the present application provides an optional automated save or store function configurable by the user to autosave any data created input or imported into the application including but not limited to contact data audioclip data and taggedclip data

### **ID STAMPER**

In addition the present invention provides a general naming or identity labelling protocol or function or means by which to name label or otherwise identify any newly or previously created input imported stored or editable data within the application

A specific embodiment of the invention will now be described by way of reference to the accompanying non-scaled drawings in which –

#### FIGURE 1

Shows a schematic representation of one kind of digital cellular mobile with a part sample of typical integrated and interconnected systems components functions facilities and the like used by the application via the phone operating system;

#### FIGURE 2

Shows a schematic diagram illustrating the application and its chief functions facilities and conceptual operating scheme

Referring to the drawings in FIGURE 1

A mobile cellular **phone 1a** comprises a range of integrated and connected component parts / functions including a **system configuration 1b** (platform CPU / Operating system / sim card) a **user interface 1c** (LCD / touch screen / keypad / voice command circuit / navigation pad); an integrated **application store 1d** (address book / calendar-clock); an **audio resource 1e** (microphone / amplifier circuit / speaker / voice memo dialing / speech codec / IC) a **memory store 1f** (dynamic / ram / user / execution / application / memory card / jar / heap); a **data channel 1g** ( Wap browser / sample data transfer protocols); a **voice channel 1h** (receiver / transmitter);

Referring to the drawings in FIGURE 2

A mobile cellular phone application **2**; comprises an interconnected array of functions and parts including an application GUI **2a**; a configurations manager **2b**; an audioclip store **3**; an audioclip manager **4**; a number store **5**; a number manager **6**; a taggedclip compiler **7**; a taggedclip operator **8**; a taggedclip manager **9**; a taggedclip store **9/1**; a taggedclip monitor **10**; a phone manager **11**; a phone monitor **12**; an alert operator **13**; drivers **14**; a search engine **15**;

When in use one possible employment of the application **2** operates whereby the user accesses the application via the phone's user interface **1c** and exercises their option to configure selected settings of the application via the configurations Manager **2b**; such settings by example being:

PHONE MANAGER **11** default set to automatic incall divert / log **11e**  
 ALERT OPERATOR **13** default set to screen alert **13a**  
 AUDIOCLIP MANAGER **4** default set to automated numeric id stamp **4a**  
 TAGGEDCLIP COMPILER **9**; id stamper **9b** default set to automated numeric;  
 list editor **9c** set to auto-selection default  
 TAGGEDCLIP MANAGER **9**; with multiple optional settings as follows:

autodialler **9a** default set to manual;  
 auto-redial scheduler **9b** default set to none;  
 dial monitor **9c** ring number default set to six;  
 auto-redialler **9d** default set to six;  
 auto-redial scheduler **9e** default set to none;  
 auto-replayer **9f** default set to one;  
 auto-storage **9g** default set to off

TAGGEDCLIP MONITOR **10** default auto-log **10/f** set to 'on'

The user next employs the application in one version of many available configurations as follows -

the user accesses the audioclip manager **4** and records a voice audioclip via the recorder **4/a**; while the timer **4b** displays the audioclip runtime; the recording when completed is auto labeled by the id stamper **4e**; the user next accesses the taggedclip compiler **7** and selects auto-tag audioclip **7a**; the application automatically opens available number sources being in this case the phone contact store **6d**; the user selects one phone number and 'tag' the number is then tagged to the audioclip thereby creating a taggedclip; the user next accesses the taggedclip operator **8** and selects manual call **8a**; and the autodialler dials the taggedclip number; the taggedclip monitor **10** displays the status of the call via the phone LCD screen provided by the phone user interface **1c**; the number is answered within the ring limit set by the dial monitor **9c**; and the auto-replayer **9f** replays the audioclip once as per its setting and terminates the call.

## CLAIMS

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An **application** for mobile cellular phones and / or mobile telephony enabled handheld devices (hereafter included within the term 'phone') such application residing either on the phone operating system such operating system being optionally but not limited to EPOC / Symbian / Pocket PC 2002 / Smartphone 2002 or on the phone sim card or smart card or on the phone platform processor or any combination thereof

such application being optionally written in code such as but not limited to Java and / or J2ME (Java 2 Micro Edition) and / or PJAЕ (Personal Java Application Environment) and / or C++ and / or Visual Basic (VB) and / or BREW and / or derivatives thereof or any other such code or codes as the compiler or programmer shall select as being compatible with the creation of such application for cellular mobile phones or mobile telephony enabled handheld devices

### GUI

In addition such application having access to and interaction with the existing phone facilities and controls and functions and screen display and GUI (Graphical User Interface) through a dedicated application GUI such as to enable the application to be accessed viewed and managed via the phone by the user such GUI to include use of touch screens and voice recognition control where provided by a given phone

### PHONE NUMBER STORE

In addition such application having access to such memory store or other memory facility as the phone provides whether dedicated or dynamic or sim card based for the holding or listing or storage of contact numbers names and other data (hereafter termed 'numbers') and a means to select such numbers in single multiple linked or sequential linked form such as to form number groups for direct use by the application or by way of import into the application for subsequent use.



### **AUDIOCLIP MEMORY STORE**

In addition such application having a dedicated memory store and / or access to and use of a phone based memory store or source for the temporary or permanent storage of discrete sound samples or patterns such as voice or voices or music or other such sounds as are recordable and audible to the human ear such discrete sounds or sound samples of any kind being hereafter termed for convenience 'audioclips' and such memory store being hereafter termed for convenience 'audioclip store' such audioclips held within the audioclip store including optional pre-installed audioclips provided with the application and such audioclips as are created or imported into the application being optionally saved to the memory store on a default or manual basis.

### **AUDIOCLIP MANAGER**

In addition such application having a range of audioclip management tools functions and control facilities (hereafter collectively termed 'audioclip manager') providing the user therein or thereby with several means to organise and manage and manipulate and control such audioclips such means including but not limited to

### **AUDIOCLIP RECORDER**

an audioclip recorder having a functional / control connection to the internal phone microphone and / or a dedicated application based sound recording circuit such as to enable the application to record one or more audioclips optionally in sequence or in grouped sequence in the form of voice or any other sounds originating both externally to the phone and internally within the phone via an integrated speaker or other provided or application based sound generating or synthesising or amplification system and including captured voice or sounds generated during use of the handset or phone for live calls made by or received by the said handset or phone

### **AUDIOCLIP REPLAYER**

In addition such application having via the aforementioned audioclip manager or otherwise an audioclip replayer or player or means to replay or reproduce any audioclip or selected sequence of audioclips in the form of voice music or other sound whether created by the application or input or captured or imported or stored or otherwise accessible to the application via the use of application based or phone based or combined phone and application based sound reproduction systems and related circuits amplifiers and speakers pre-contained within the phone and / or provided within the application and such replayer being subject to both automated and manual control

**NUMBER / AUDIOCLIP TAGGING**

In addition such application having a dedicated facility function or means to temporarily or permanently link or attach or associate singly or in any sequence any contact number or numbers or number group created by stored within or accessible to the application together with any given audioclip or audioclips created by stored within or accessible to the phone and / or application in any order such process of linkage or attachment or association hereafter termed for convenience 'tagging'

**TAGGEDCLIP COMPILER**

In addition such application providing that such 'tagging' as hitherto described thereby creates a new and distinct data reference unit within the application hereafter for convenience termed a "taggedclip" and such tools facilities functions and associated management options within the application by which such taggedclips are created or generated being hereafter termed for convenience a 'taggedclip compiler'

**TAGGEDCLIP LIST EDITOR**

In addition such application having via the aforementioned taggedclip compiler or otherwise an automated and manual number and audioclip list editor whereby any taggedclip containing several numbers and / or several audioclips may have the sequence of either or both determined via original selection on an automated default basis or via manual ordering thereafter at any time such sequences thereafter determining the order in which the said numbers and / or said audioclips are used and accessed by the application

**TAGGEDCLIP STORE**

In addition such application having a taggedclip memory store enabling temporary or permanent storage for any taggedclip created by or otherwise accessible to the application at any time by reference to its id such storage being either manual or by optional automated default and the system of such storage being such as to distinguish between any taggedclip pending use and any taggedclip post use

**TAGGEDCLIP MANAGER**

In addition such application having a range of taggedclip management tools functions and control facilities (hereafter collectively termed 'taggedclip manager') such manager providing the means to organise and manage and manipulate and control such taggedclips such means including but not limited to

**AUTODIALLER**

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**AUTODIAL SCHEDULER**

In addition such application having via the aforementioned taggedclip manager or otherwise

an autodial scheduler or means to schedule the operation of the autodialler and its related functions via reference to a calendar / clock within the application and / or pre-existing on the phone so as to enable the scheduled calling of any taggedclip number or numbers or number group and / or a sequence of several taggedclips such autodialling being schedulable for any specified future date and time or at pre-set intervals and such scheduled taggedclips being automatically stored pending use with such schedule as is applicable viewable by the user and open to amendment or cancellation at any time

**DIAL MONITOR**

In addition such application having via the aforementioned taggedclip manager or otherwise

a dial monitor or other means by which the autodialler may recognise any given taggedclip call or calls as failed for example when a given number is busy or otherwise unavailable for any reason such dial monitor having an integrated ring counter such that when a pre-set or default or manually determined sequence of rings to any number is exceeded such call is automatically terminated such call monitor having an additional optional function that where a given call fails for any reason the autodialler automatically initiates any further calls scheduled or sequential to the failed call or calls

**AUTO-RE-DIALLER**

In addition such application having via the aforementioned taggedclip manager or otherwise

an auto-redialler having the functionality of optionally automatically redialling any autodialled number or number sequence or number group immediately on failure of a given call or where such call is one of a sequence or number group immediately after remaining uncalled numbers have been autodialled in their specified sequence such redialling being optionally configured as a single or multiple or continuous redial as specified by the user such auto-redialler having a means to optionally prioritise any one or more failed calls such that the said call or calls are redialled continuously or at predetermined intervals until answered such auto-redialler having in addition a manual over-ride or manually operating option

**AUTO-REDIAL SCHEDULER**

In addition such application having via the aforementioned taggedclip manager or otherwise

an auto-redial scheduler or means to schedule the auto-redialler and its related functions so as to enable the auto-redial of any terminated or failed call or calls to a taggedclip number for any future date and time or at pre-set intervals

**AUDIOCLIP AUTO-REPLAYER**

In addition such application having via the aforementioned taggedclip manager or otherwise

an audioclip auto-replayer configured so as to automatically trigger the replay of any audioclip or combination or sequence of audioclips contained within a taggedclip when a linked or contained number within the taggedclip is called and answered by the called party such replay being repeatable via a range of settings including but not limited to single multiple and continuous replays the sequence of such replays being determined by the optional default or manual order sequencing of the selected audioclips during or after original selection or inclusion within the taggedclip

**REPLAY TERMINATOR**

In addition such application having via the aforementioned taggedclip manager or otherwise

an audioclip auto-replayer having the optional facility for manual or automated default replay termination of any replay when a specified single or replay sequence is complete or when any call during which such replay is activated is terminated by the called party and thereafter to trigger commencement of further taggedclip calls if any such calls are queued waiting or scheduled

**TAGGEDCLIP OPERATOR**

In addition such application having a dedicated taggedclip operator or means for the manual or default or bespoke or otherwise user configurable initiation of all taggedclip based calls subject to such user preferences and settings as the application provides and including a manual over-ride for direct initiation of any given taggedclip based call or calls at any time following a given taggedclip compilation

**PHONE MANAGER**

In addition the present application provides an incoming and outgoing call management facility (hereafter termed a 'phone manager') such manager enabling the user to prioritise manually or by default any phone operation such as incoming calls data or messages or any application operation such as taggedclip calls or related audioclip replays

such prioritisation including the option to auto trigger visual and / or audio and / or other available alerts and the option to auto suspend and subsequently resume or terminate non priority application operations and the option to auto terminate or auto divert and / or auto log non priority phone operations and in all cases the option to manually over-ride any priority related configuration or option at any time

**2 APPLICATION NUMBER STORE**

An application as claimed in Claim 1 wherein the said application provides a dedicated application based memory store (hereafter termed 'number store') for contact names and / or phone numbers (hereafter termed 'numbers') such memory store being accessible to both the said application and the phone or handset

**3 NUMBER MANAGER**

An application as claimed in any preceding claim wherein the said application provides a range of contact data or number management tools functions and control facilities (hereafter collectively termed 'number manager') providing the user therein or thereby with several means to organise and manage and manipulate and control such numbers and / or contact data including but not limited to the means to number input number transfer number import number edit and number organise by way of creation of distinct named or unnamed groups (hereafter termed 'number groups') and in addition optional access and selection of numbers from the provided phone memory contact store

#### 4 AUDIOCLIP TIMER

An application as claimed in any preceding claim wherein the said application provides via the aforementioned audioclip manager or otherwise

an audioclip timing facility or timer whereby the duration of any audioclip may be recorded and made accessible to the user visually or as data or otherwise enabling viewing or access to such by way of information on the duration of any audioclip during recording or any audioclip previously recorded or imported or otherwise made available to the application such timer having the optional facility of indicating available audioclip recording memory left to the application at any time prior during or after such recording

#### 5 AUDIOCLIP ID STAMPER

An application as claimed in any preceding claim wherein the said application provides via the aforementioned audioclip manager or otherwise an automatic or manual naming or labelling (hereafter termed id stamping) of created or imported or captured audioclips via numeric or alphabetic or other protocol such protocol thereby creating a reference id for each audioclip such id being editable by way of deletion or alteration or replacement and hereafter for convenience termed an 'id stamp' and the facility which creates the id being termed an 'id stamper'

#### 6 AUDIOCLIP EDITOR

An application as claimed in any preceding claim wherein the said application provides via the aforementioned audioclip manager or otherwise an editor function enabling created or stored audioclips to be shortened added to spliced together and otherwise manipulated

#### 7 AUDIOCLIP IMPORT

An application as claimed in any preceding claim wherein the said application provides via the aforementioned audioclip manager or otherwise an audioclip import facility whereby audioclips in the form of recorded voice or other sound samples or patterns may be imported in whole or part from other memory sources or stores within the phone and also external sources including remote sources via standard data transfer protocols including but not limited to Wap and TCP / IP infra-red and bluetooth

**8 TAGGEDCLIP ID STAMPER**

An application as claimed in any preceding claim wherein the said application provides via the aforementioned taggedclip compiler or otherwise the additional facility of automatic or manual naming or labelling (hereafter termed id stamping) of created taggedclips via numeric or alphabetic or other protocol such protocol thereby creating a reference id for each taggedclip such id being editable by way of deletion or alteration or replacement and hereafter for convenience termed an 'id stamp' and the facility which creates the id an 'id stamper'

**9 PHONE MONITOR**

An application as claimed in any preceding claim wherein the said application provides a means for the status of any phone function or activity to be optionally displayed on the phone screen and / or logged for later review thereby providing information including but not limited to phone activity such as the occurrence of incoming calls, data or messages such display and / or log being optionally linked to an alert operator activated by specified phone functions and / or activities on an automated response setting employing such alerts as the phone or application provides

**10 TAGGEDCLIP MONITOR**

An application as claimed in any preceding claim wherein the said application provides a means for the status of any taggedclip function or activity to be optionally displayed on the phone screen and / or logged for later review thereby providing information including but not limited to the status and progress of an taggedclip call or calls and related audioclip replays such display and / or log being optionally linked to an alert operator on an automated response setting and employing such alerts as the phone or application provides

**11 ALERT OPERATOR**

An application as claimed in any preceding claim wherein the said application provides

an alert operator system linked to the phone and / or selected functions and activities within the phone and application such alert system providing and / or being configurable to provide triggered alerts including where available screen alerts and / or audio alerts and / or vibration alerts in response to given phone activated events such as for example incoming calls data or messages and / or user specified or default application events such alerts optionally being accorded drivers within the application

**12 SEARCH ENGINE**

An application as claimed in any preceding claim wherein the said application provides

a search engine or means to search for any data stored within the application including but not limited to numbers audioclips and taggedclips such search using references including but not limited to any name or number or code or any part or parts thereof

**13 CONFIGURATIONS MANAGER**

An application as claimed in any preceding claim wherein the said application provides

a central default settings and / or preferences and / or configurations manager (hereafter termed 'configurations manager') being a centralised means to set and input preferences and settings and configurations for any configurable operation or function or facility of the application where available such manager operating in addition to and connected with any local preferences or settings or configurations input by the user at any point or stage during use of the application such being configurable either manually or by way of automated default or by way of multiple bespoke settings and the user having the option at any time to save replace and / or manually over-ride or otherwise manage such settings as the application provides



**14 DATA EDITOR**

An application as claimed in any preceding claim wherein the said application provides

a general editor function enabling active editing from variable points within the application of any editable entry or data including but not limited to any contact entry or phone number or numbers or audioclip or audioclips or taggedclip or taggedclips whether input recorded imported or otherwise brought into use within the application for such purposes for such purposes as but not limited to adding or deleting or replacing or dividing / combining / splicing / rejoining any whole or component part of any given editable entry or data

**15 AUTO-STORAGE**

An application as claimed in any preceding claim wherein the said application provides

an optional automated save or store function configurable by the user to autosave any data created input or imported into the application including but not limited to contact data audioclip data and taggedclip data

**16 ID STAMPER**

An application as claimed in any preceding claim wherein the said application provides

a general naming or identity labelling protocol or function or means by which to name label or otherwise identify any newly or previously created input imported stored or editable data within the application

**17**

An application substantially as described herein with reference to figure 1 and figure 2 of the accompanying drawings



INVESTOR IN PEOPLE

Application No: GB 0227717.6  
Claims searched: 1-17

Examiner: Emma Rendle  
Date of search: 7 January 2003

### Patents Act 1977 : Search Report under Section 17

#### Documents considered to be relevant:

Category	Relevant to claims	Identity of document and passage or figure of particular relevance
X	at least 1	US 20020146097 A1 (NOKIA) see whole document, especially paragraphs 10, 11, 16, 31, 33-35 and 49.
X	at least 1	US 20020061774 A1 (GLENAYRE) see whole document, especially paragraphs 37-47.
X	at least 1	WO 01/93047 A1 (MOTOROLA) see whole document.
X	at least 1	WO 00/36857 A1 (RADIOLINJA) see whole document
X	at least 1	EP 1 185 068 A2 (COMVERSE) see whole document, especially paragraph 4.
X	at least 1	EP 0 981 252 A2 (LUCENT) see whole document, especially paragraphs 8, 19-21, 23, 32 and 35.
X	at least 1	US 6 044 275 (ERICSSON) see whole document.
A	-	GB 2 363 938 A (INTELLPROP) see whole document. Included as an example of a document for sending text messages to be sent and received by fixed telephones lacking integrated SMS facilities

#### Categories:

X Document indicating lack of novelty or inventive step	A Document indicating technological background and/or state of the art.
Y Document indicating lack of inventive step if combined with one or more other documents of same category.	P Document published on or after the declared priority date but before the filing date of this invention.
& Member of the same patent family	E Patent document published on or after, but with priority date earlier than, the filing date of this application.

#### Field of Search:

Search of GB, EP, WO & US patent documents classified in the following areas of the UKC<sup>v</sup>:

H4L (LDPC, LDPPX)

Worldwide search of patent documents classified in the following areas of the IPC<sup>7</sup> :

H04Q 7/14, 7/22, 7/38; H04M 3/533

The following online and other databases have been used in the preparation of this search report :



INVESTOR IN PEOPLE

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Online via EPOQUE: WPI, EPODOC, PAJ