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(30) 09/998,367 2001 11 29 (US)

(71) -02150 4

(72) 가 -1093 13/ .1.9

(74)

:

(54)

가

(provisioning information)
가

가

1

가

가 . 가
, ,
가 , (PDA; pe
rsonal digital assistant),

(WAP; Wireless Application Protocol) , WAP

(open standard) . WAP
가 .

가

가

가

가

(mobile Internet)'

(WWW; World Wide Web) WAP

(URL; Uniform Resource Locator)

가 , URL

WAP

가

, 2

URL

가 (

URL

(MMS; Multimedia Messaging Service) WAP (Forum) 3GPP

URL

(instance)

MMS

, '...companyXYZ.com/MMS'
companyABC

)

URL

가

URL

가

가

(가

WAP

(bootstrap provisioning)

가

가

가

가

(provisioning)'

/

가

가

가

가

(provisioning information)

가

가

가

가

가

가

(provisioning element)

(record),

(docu

ment),

()

(push technology)

가

(SIM; Subscriber Identity Module), WAP

(WIM; WA

P identify module),

가

가

1
2
3
4
5
6
7

(WAP) ID

ID가

가

가

1 가 (100)

가 (ID ID)

가

(provisioning)
(104)

(OTA; over-the-air) ID
(WIM; WAP identify module),

(102)

(106)

Subscriber Identity Module), WAP

,가

(SIM;

(106)

()

ID

ID

(bootstrap)

(re-provisioning process)

(106)

(106)

SIM, WIM

(104)

(notification)' (alert)' ID (push)' (106) ,'

가 () (108) ID가 (106) (dispatch)

(102) (102) ID (108) (104)

가 () (102) ID (108)

ID (108) / (110)가 ID ()

(102) ID (108) / (110) ID ()

110) ID (108) / ID (200)

2 (202) ID ID (200)

(204) (208) (202) SIM, WIM, ID

(206) ID

/ (202) (PDA)(212), (214), (216) (202)

(210), (202) (WAP) / 가

(202) (QoS; quality of service)

가 (, GPRS) (string), PPP

가

(204) (202) (202)

(202) ID ID (202)

ID 가 () 가

(204)가 (202) (WAP boo

(가) (204) (204) 2가 WAP (WAP boo

tstrap provisioning protocol) (SyncML; Synchronization Markup Language) (WAP boo

WAP (push technology) , SyncML

(204) ID

() (202)

3 (WAP) ID
 . WAP . WAP , WAP
 . WAP (open standard) . WAP ,
 가
 3 (302) WAP WAP ' (push)'
 (pull) ' (pull)' (dispatch) U
 RL (pull transaction) ' (push)' 가
 가 , 가 WAP ,
 (SMS; Short Message Service), (MMS; Multimedia Messaging Service),
 (SIP; Session Initiation Protocol) , WAP
 가
 WAP (302) WAP WAP
 , WAP 3 WAP
 ,
 WAP , WAP (Push Over-the-Air Protocol) (PI; push initiator)가 WAP
 PI WAP PI WAP , WAP WAP PI
 Protocol) (tunneled) (HTTP; Hypertext Transfer XML)
 (OTA; over-the-air) WAP WAP (OTA) HTTP (version)
) (WSP; Wireless Session Protocol)
 WAP 가 , (302) (304) ID()
 , WAP (316) WAP (306) (306) 가
 ID (310, 312, 314) (306)가 (316) 가 (308)
) , (308) URL/ ID가 (306) . URL/ (304)
 , URL/ , MMS .../companyABC/MMS ID 가 ,
 14) (307) (310, 312, 3 (308) (310)
 , 312, 314)
 , ID(304) (312) ID
 URL (308) (306) (312) ID URL
 가 , ID (308)

(312) (308)

WAP (URI; Uniform Resource Identifier)

(dispatch) () WAP (306)가 WAP (306)

WAP (306) ID WAP ID

가 , 가 가 , 가 가

URL URL (MMS) URL

MMS URL A B가 가

가 ID 가

(standardized)

(standards)

4 ID가 (push initiator) (40

2) (400) (402)

ID WAP XML (404, 406) (documents)

(document)', '(file)', '(record)', '(block)'

4 (404, 406) XML

ID

4 ID (404, 406) ID(410) (4

ID (402) WAP (408) ID(412) (406) (414), ()

04) 가 (404, 406)

WAP (PPG; push proxy gateway)(416) WAP- (408) 가

ID (410, 412) (414) (402)가 PPG(416)

) WAP (408) (400) PPG(416)

(408) WAP / WAP

ID(410) ID (408) ID(410) ID(410)
 (418) ID(410) (408)
 (408) ID(412) ID(412) ID(412) (420)
 (420) (408) (408) (408)
 가 (408) (408)가 (408) (loader)
 () (408) (408) (408)
 (, 418, 420)
 ID (418) (426)
 (422) (408) (414) (426)
 (402) SMTP IMAP URL (418)
) URL ()
 가 (414) ID가 GPRS
 - (dial-in) /
 가 ID
 , PPP , 가 가 ,
 ID (414) (a)
 authentication credentials),
 (가 (applet), (plug-in))
 ID(410, 412) ID WAP
 , WAP 0x0000 -
 0x7FFF 1 (well-known values)' , 0x04
 (MMS) (URN: x-wap-application:mms.ua). 2 3
 P (408) (424, 426) (410, 412) WA
 WAP (402) (404, 406) (422)
 , WAP / 가 ID
 , (context)
 , TCP UDP ID

5 , WAP ID .
 , .
 5 , ISDN/PSTN (MSISDN), (500) . IP ,
 , (502)가 . (502)
 , (500) ID(504) .
 , 가 ID(504) .
 , URL (506)가 . ID가
 , 가 URL/ (506)
 , (508) /v (text/vCard), /x-v (t
 ext/x-vCard), /x-v (text/x-vCalendar),
 , 가 (510), (512),
 (514) (/ , 가)
 (/ ID (version) , WAP /
 , , , . 5 /
 , .

6 . 600 ID
 , (development) ID
 ID 가 ID
 ,
 가 , WAP ID XML
 (602). WAP XML(WBXML)- ID XML XML ID XML
 (604). ID , ID 가
 (606). (608). ID
 (610) . ID

7 . 700 ID
 , 6 . (702),
 , ID , ()
 , ID (payload)' .
 , SIM, WIM , (pull) , (704). (push)
 , ID (706). ,

708 , ID
 ID , 7
 10 , URL , SMTP, IMAP URL URL 가 .
 , 가

5

(712)

(714)

(718)

(716),
(720)

ID
- (dial-in)

(722).

GPRS

(724).

가
가
'gram product'
)

()
'(article of manufacture)'

(computer pro

(PROM)

(RAM), (ROM),

가

, I/O

가

WAP

가

(57)

1.

(provisioning information

) ;

;

2.

1 ,
,

3.

1 ,

4.

1 ,

5.

1 ,

6.

5 ,

(push provisioning process)

7.

6 ,

(WAP; Wireless Application Protocol)

8.

1 ,

9.

8 ,
le), WAP

(WIM; WAP identify module),

가

(SIM; Subscriber Identity Modu

10.

1 ,

11.

10 ,

12.

1 ,

12 13. (authentication credentials),

12 14. 가

14 15. (invoke) (resident user agent)

14 16. ;

16 17. 가

16 18.

12 19. (version)

12 20. 가

20 21. 가

1 22. (XML; eXtensible Markup Language) XML

23.

1 ,

1 **24.** , WAP (ID)

1 **25.** ,

1 **26.** , (URI; Uniform Resource Identifier)

1 **27.** , 가

1 **28.** , (bootstrap)

1 **29.** , (re-provisioning process)

1 **30.** ,

1 **31.** ,

1 **32.** , (URL; Uniform Resource Locator)

32 **33.** , URL 가

34. 가 (provisioning element) ,

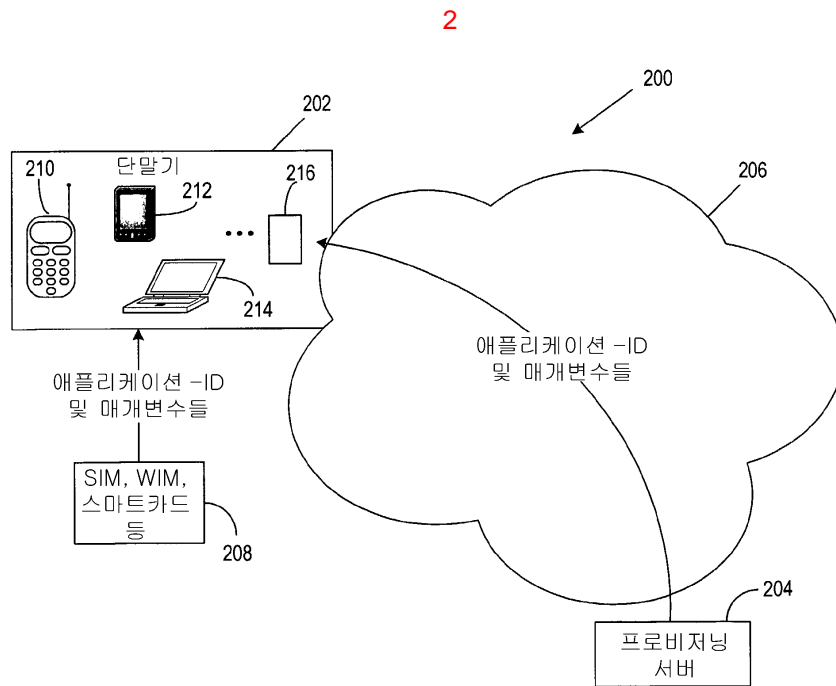
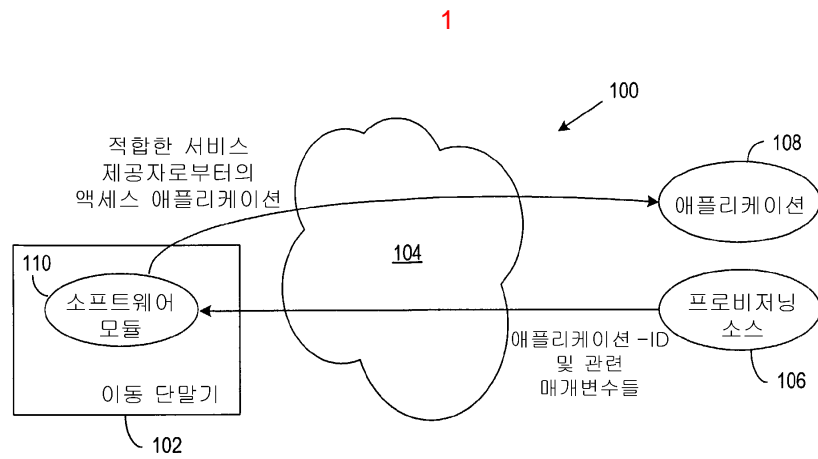
- 34 35. , (pull technology)
- 34 36. , (push technology)
- 36 37. (compliant device) , (WAP; Wireless Application Protocol)
- 37 38. , WAP- 가 WAP 가 1 (PPG; push proxy gateway)
- 37 39. , WAP (ID)
- 34 40. ,
- 34 41. , (URI; Uniform Resource Identifier)
- 34 42. ,
- 42 43. , 가 (SIM; Subscriber Identity Module), WAP (WIM; W AP identify module),
- 34 44. , , (PDA; personal digital assistant),
- 34 45. ,
- 46. , 가

47.

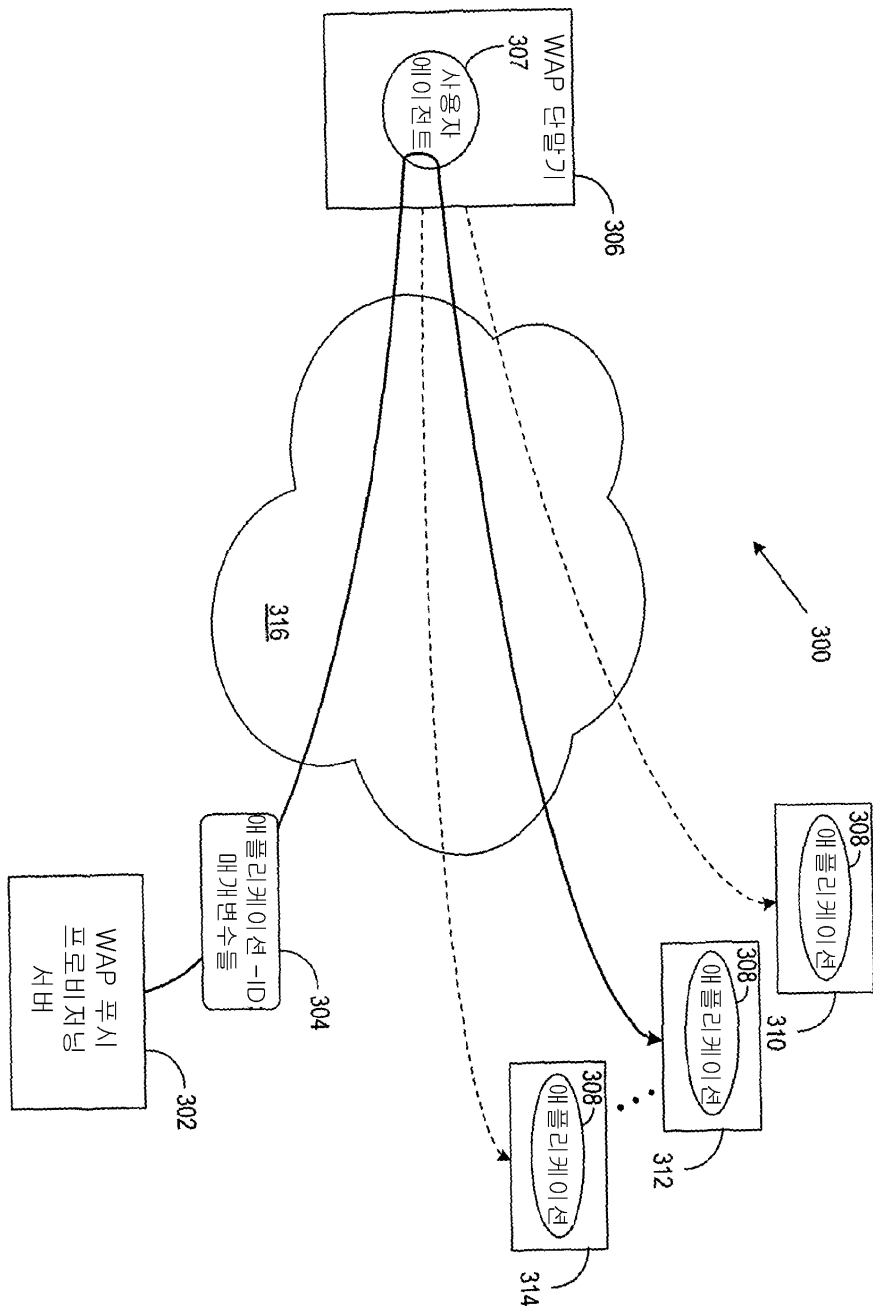
가 가 , 가

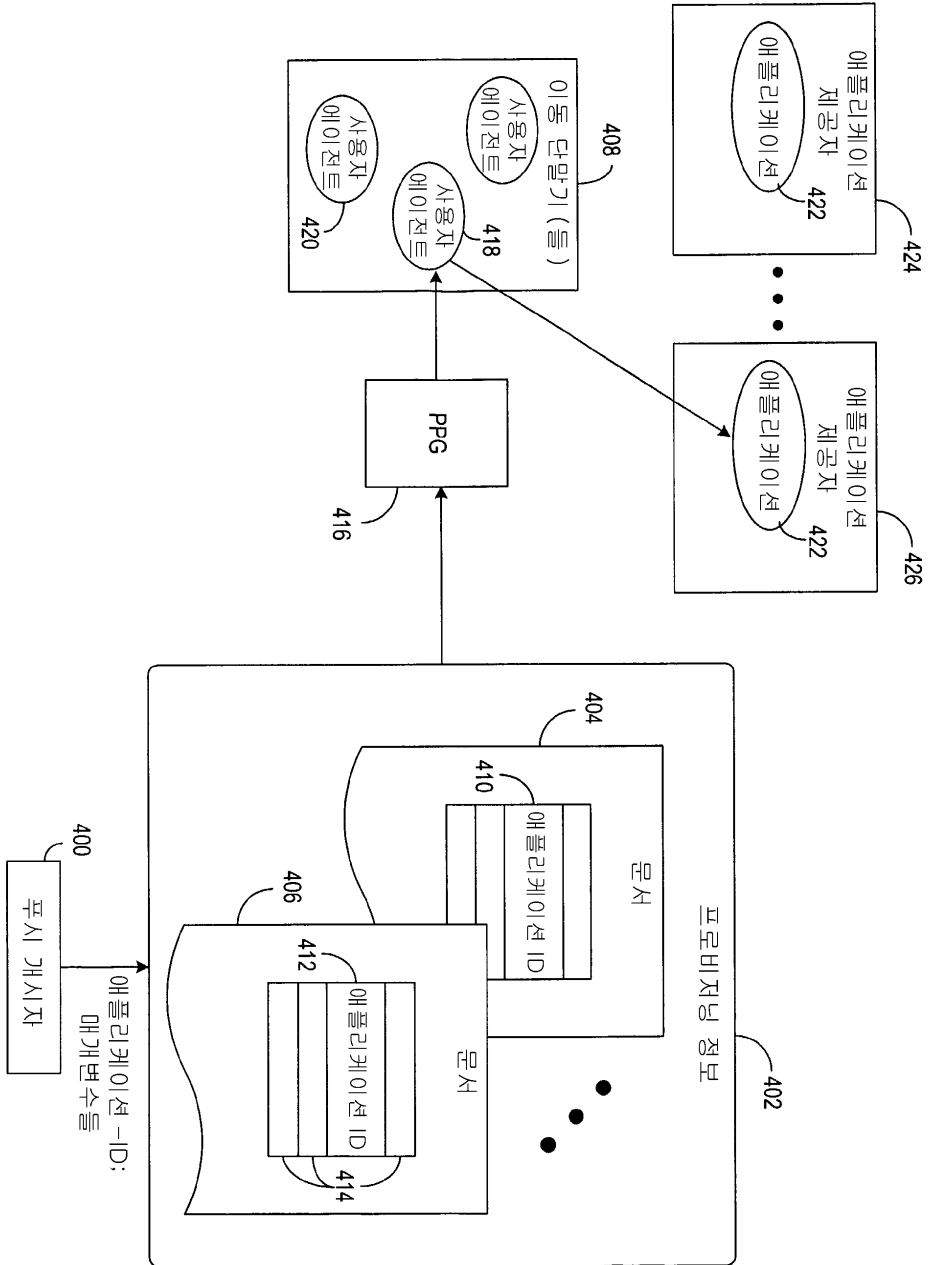
) ; (provisioning information

가 .

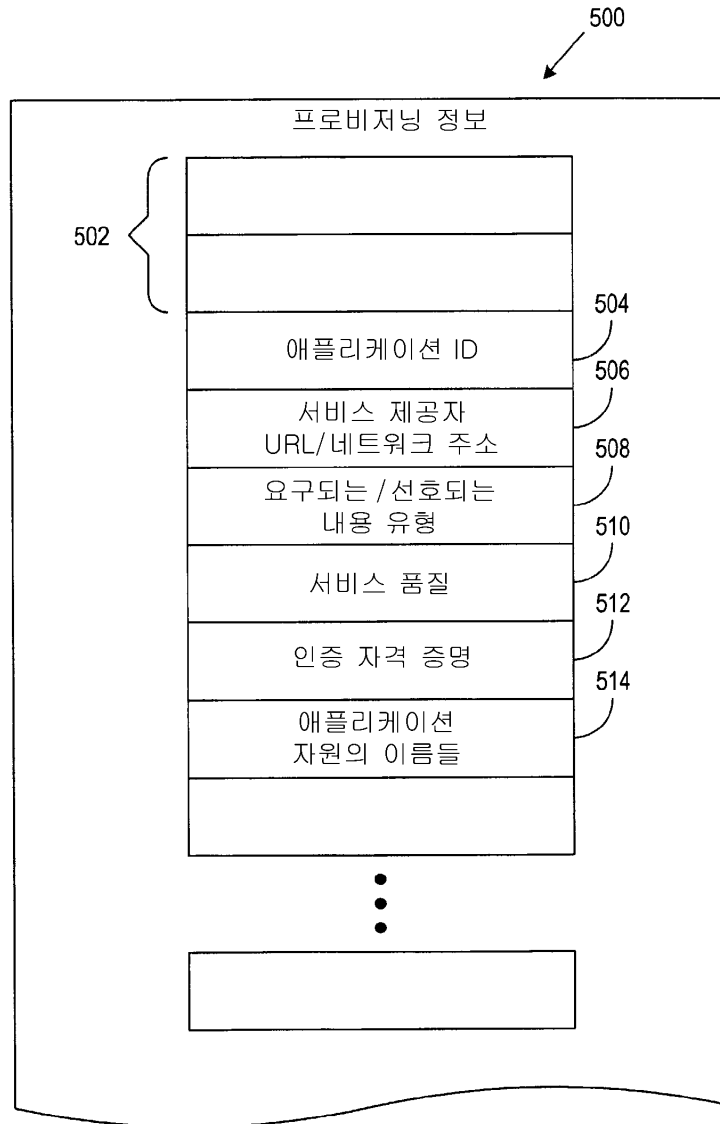


3

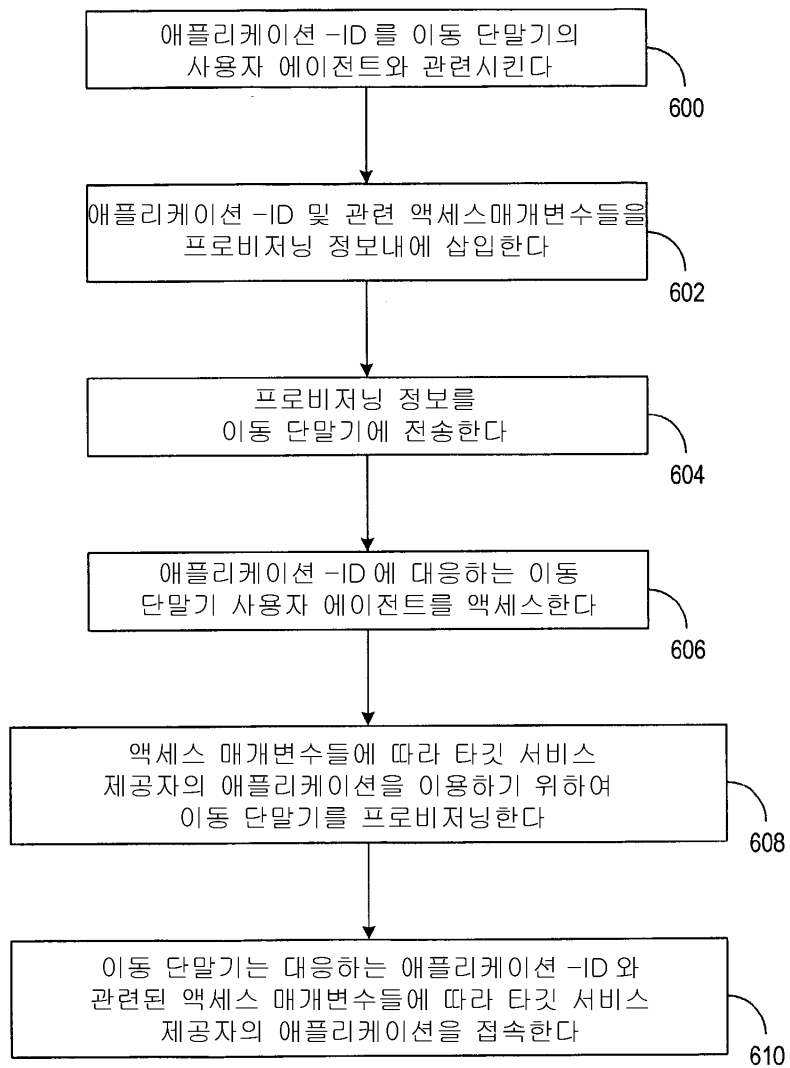




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