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(KR)  
(A)

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H04L 12/66

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(43)

10-2004-0110941  
2004 12 31

(21) 10-2003-0040501  
(22) 2003 06 21

(71) 20

(72) 2 307 608

(74)  
:

(54)

, UDCOWEB  
UDCOWEB

URL

UPnP

, 3 2 , 1 ,

4

1 UPnP

2

3 UDCOWEB

4 UDCOWEB

5 UDCOWEB

\* \*

211 : 212 : UDCOWEB

220 : UDCOWEB

UPnP™ , .  
 가 2 가 .  
 가 PC  
 가 IP  
 UPnP™ ( , UPnP ) MS .  
 UPnP (seamless peer to peer) 가 . 가  
 , UPnP IP, HTTP  
 , (platform) .  
 UPnP 1.0 UPnP 1 UPnP (Addressing), (Discovery), (Decription), (Control), (Event),  
 (Presentation) 6가 Plug amp; Play 가 .  
 IP UPnP (DB)  
 Markup Language) 가 XML(eXtensible  
 , IP UPnP IP 가 UPnP  
 가 UPnP  
 , (agent)  
 evice Control Over WEB) 가 UPnP 가 가 UDCOWEB(UPnP D  
 2003 25185 ( 2003 4 21 ) .  
 , UDCOWEB UPnP UDCOWEB UPnP ,  
 (description) 가 (presen  
 tation) URL UPnP

UDCOWEB 가 UDCOWEB  
UDCOWEB UDCOWEB

UPnP ,  
1 ,  
2 ,  
3 ,  
4 URL  
UPnP 가 URL  
가 , 가  
가

2 (213)(  
214) UDCOWE  
B(UPnP Device Control Over WEB) (220) , (213)(214)  
(213)(214) UDCOWEB (220) (  
213)(214) UDCOWEB (220) UDCOWEB (220) UDCOWEB (212)  
UDCOWEB (212) , UDCOWEB (212) UDCOWEB (212)  
UDCOWEB (220) UDCOWEB (220) URL (211)  
(230)

2 (230) , PDA,  
가  
, UDCOWEB (212) UPnP UPnP 1.0 (search)  
UPnP 가 (advertise) UPnP  
UPnP (213)(214)  
, UDCOWEB (212) UDCOWEB (220) UDCOWEB (220)  
UPnP (213)(214) UDCOWEB (220)  
(description) URL 가 NAT UDCOW  
EB (212) (211) NAT

UDCOWEB (212) UDCOWEB (220) UDCOWEB (220)

, UDCOWEB (220) (HomeNetBind)  
UDCOWEB (212)

(230) UDCOWEB (220) UPnP  
(presentation) URL  
, UDCOWEB (220) (username) UDCOWEB(2



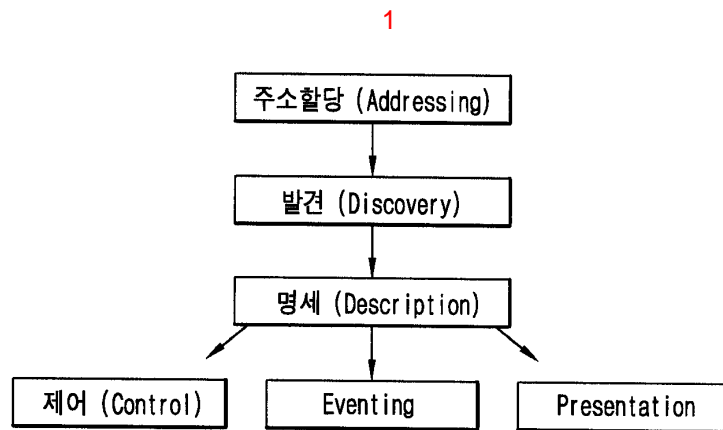
(57)

1.

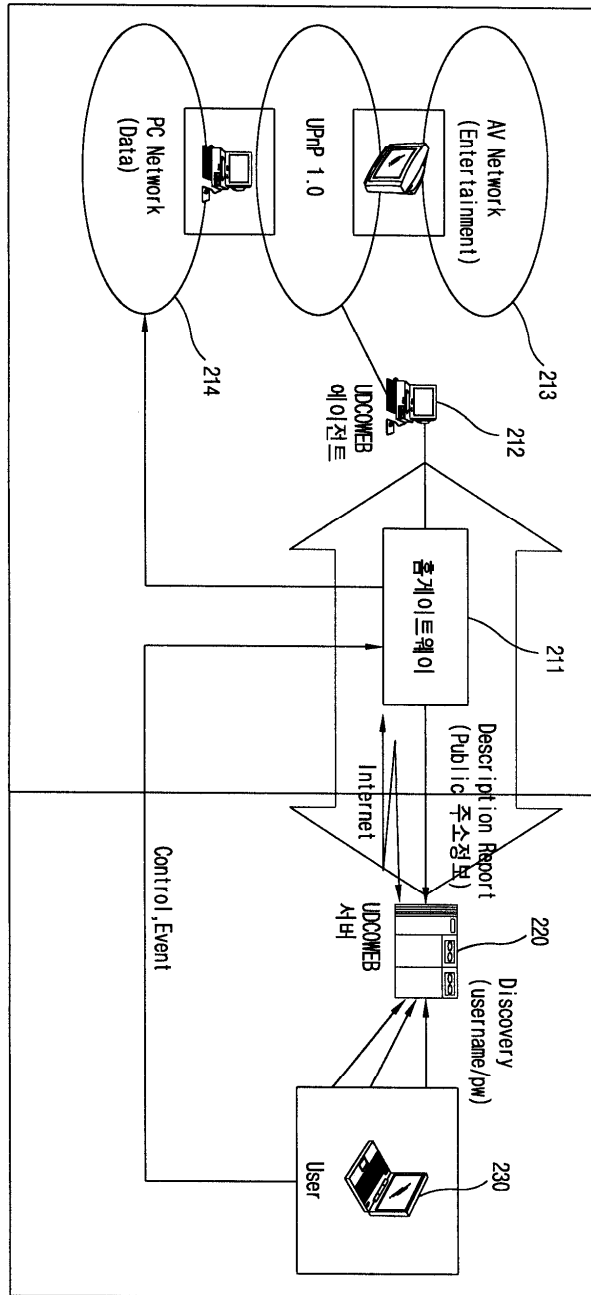
UPnP URL  
 ,  
 1 ,  
 2 ,  
 3

2.

UPnP URL  
 ,  
 가 1 ,  
 2 , 가  
 가 3



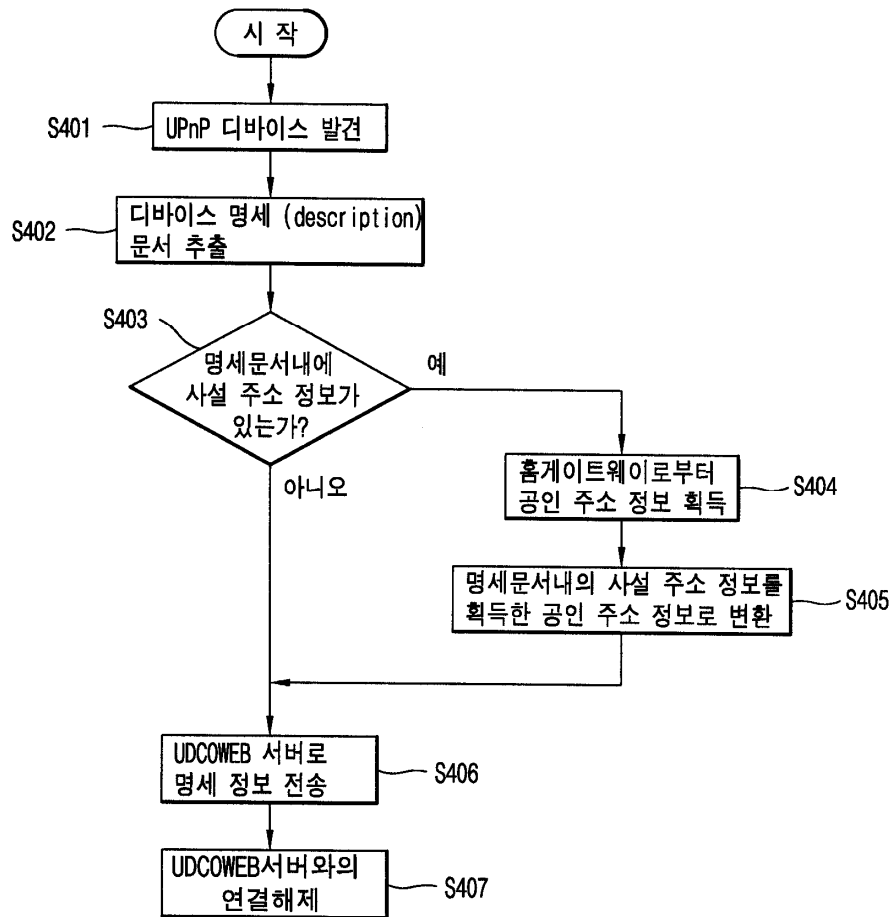
2



3

- 3단계 RemoteControl
- 2단계 HomeNetworkBind
- 1단계 Description

4



5

