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2003 11 28
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2003-0055626
2003 07 04

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716-701

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VoIP, VoIP,

1 (local gateway)가 (stand alone) VoIP

2 가 TANDEM(Trunk and ENM(ear mouth) VoIP
,
3 VoIP
4 VoIP
5 VoIP .

(Voice over Internet Protocol: "VoIP") ,

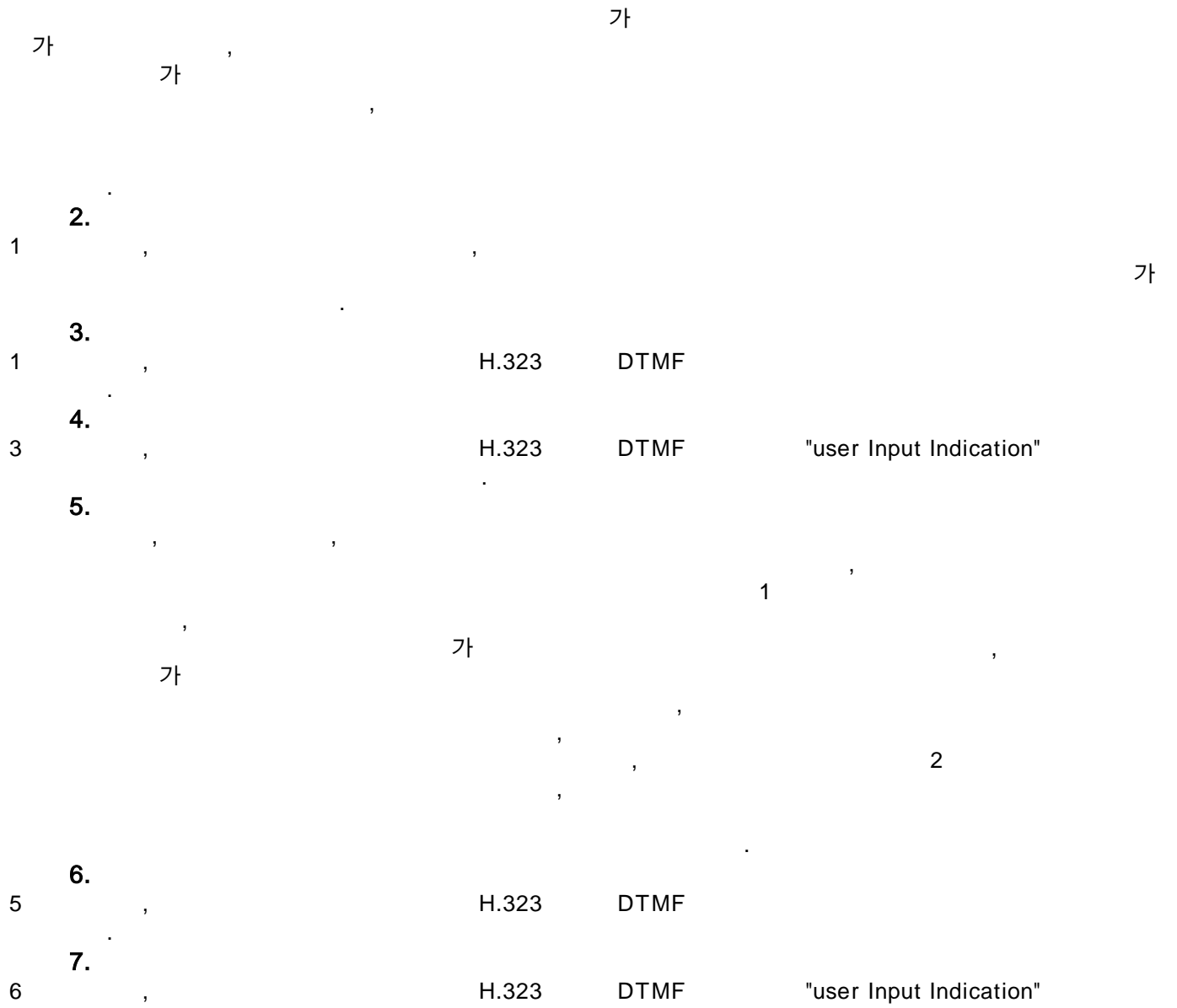
VoIP
VoIP(Voice over Internet Protocol) PSTN(Public Switch Telephone Network)
(voice) (packet-based network) /
VoIP ITU-T H.323
(audio) (video)
VoIP H.323 (Gatekeeper), (endpoint) H.323 ,
(Gateway) , MCU(Multipoint Control Unit)가 (G
atekeeper) H.323 가 (Zone) , (Zone) , MCU

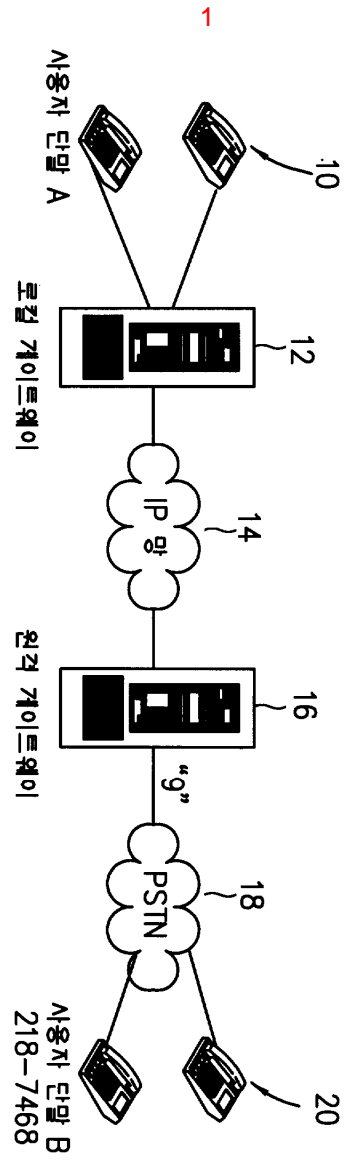
PSTN
(Key Telephone System) (PBX: Private Branch eXchange) (built
-in type), NT(window Network Terminal) (platform) (server type),
(stand alone) TANDEM(Trunk and ENM(ear mouth) (stand alone
) , TANDEM
(interworking) TANDEM
T1/E1 , (loop start trunk) , SLC(Subscriber Line Circuit)
/ 1 (local gateway)가 (stand alone) VoIP
, 2 가 TANDEM(Trunk and ENM(ear mouth)) VoIP
1 (stand alone) (12) (10)
(12) (18) IP (14) , (18)
PSTN(18) . PSTN(18) (20) 2 , TAND
EM(Trunk and ENM(ear mouth)) (12) (PBX: Private Branch eXchange)(1
1)가 가 (10) . 1 2 A(10)
B(20)
3 VoIP
1 3 VoIP
1 2 A(10) B(20) VoIP
A(10) 가 가 A(10) A(10) (handset) (hook off) , 3 100
) A(10) 가 가 A(10) (dial tone) A(10) (12
Destination Central Office Access code) (Destination Telephone Number)
3 104 A(10) (12)
(digit: DGT) . 1 3 '9'
, B(20) '218-7468' 가 .
(digit: DGT) '9,2,1,8,7,4,6,8'
meout(((12) 106 (end of digit) "#" (Inter digit ti
, 3) , (12) 3 108

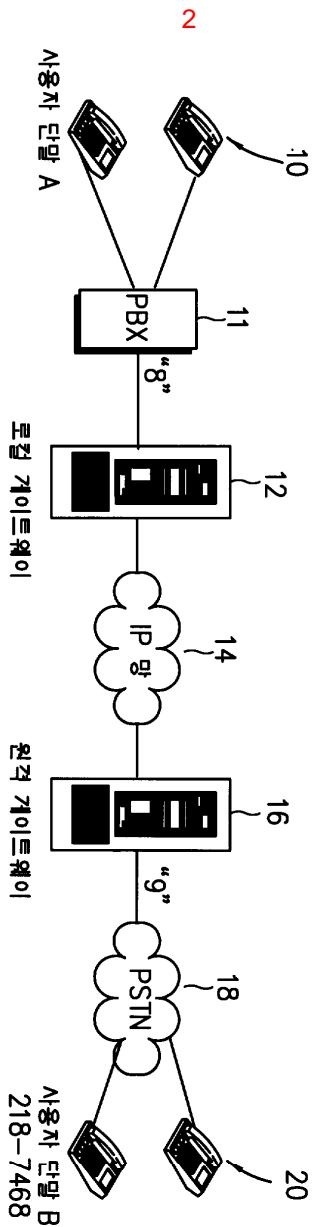
302 1 A(10) . 4 202 1
 (12) A(10) 가 가 1 A(10)
 (Destination Central Office Access code)(, '9') , 4 204
 A(10) (12) (digit: DGT)가
 (12) 5 304 가 , 가 5 306 (4 206)
 ('9') (12) 5 308 '9' 가 , 가
 ('9') (16) VoIP 4 208 (Call Setup) VoIP
 (12) 4 212 ANSBACK A(10)
 가 , 5 310 4 214 , A(10),
 (12) (16) VoIP (Call Setup) 4 210
 '9' 가 PSTN(18) (seizure) . PSTN(18)
 ('9') 4 216 , 2
 (16) (16) 2 IP (14) (12)
 (4 218).
 (12) 5 312 2 , 2
 (12) 2 A(10) (4 220 , 5 313).
 A(10) 가 , PSTN(18) (16) 가 가 PSTN(18)
 , B(20) (218-7468) 2
 A(10) 가 , 2
 1 A(10) 가 가 B(20) (218-7468) , (Destination
 Telephone Number) , 4 222 A(10) (12)
 (digit: DGT) (digit: DGT) '2,1,8,7,4,6,8'
 DTMF(Dual Tone Multi Frequency)
 (12) (digit: DGT) DTMF 4 224 5 3
 14 , H.323 DTMF (16) . H.323 DTMF (Inband) IP (14)
 (outband) (H245) (Q931)
 H.245 "user Input Indication"
 (digit: DGT) '2,1,8,7,4,6,8' IP (14) (16)
 (16) 4 226 , '2,1,8,7,4,6,8'
 PSTN(18) DTMF(Dual Tone Multi Freque
 ncy)
 A(10) 가 가 B(20) B(20)
 (Ring Back Tone) (Busy Tone) B(20) 가 가
 , B(20) (16) ANSBACK 가 (16)
 (16) B(20) VoIP (Tandem) A(1
 0) B(20)가 가 , 가
 , 가
 VoIP VoIP VoIP , 가

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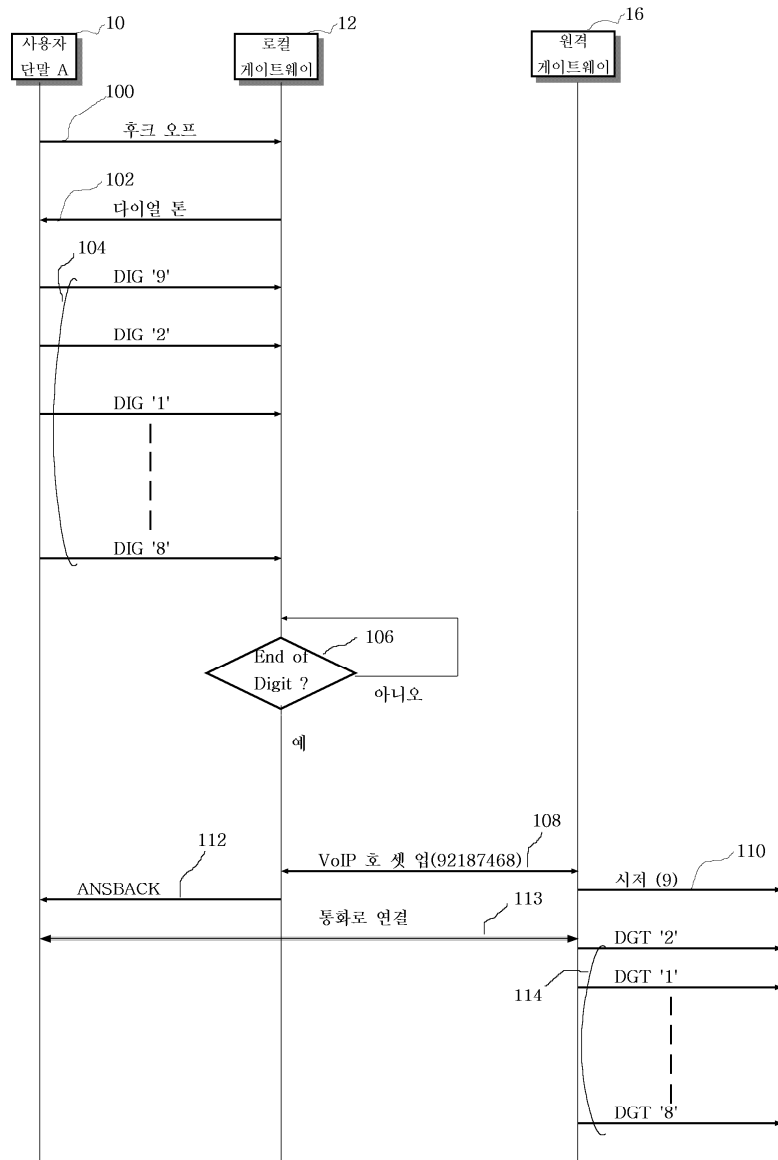
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