

(19)  
(12)

(KR)  
(A)

(51) 。 Int. Cl. <sup>7</sup>  
H04Q 3/42

(11)  
(43)

2001 - 0055480  
2001 07 04

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(21) 10 - 1999 - 0056695  
(22) 1999 12 10

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(71) 가 161

206

(72) 105 - 308  
99 131 - 806

(74)

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(54)

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(GSMP), ,

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101 : 102 :

103 : 104, 304 :

105 : NO.7

301 :

302, 306, 308 : NO.7 303 :

305 :

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" ) (International Telecommunication Union ; " ITU  
I Network ; " ISUP" ) (Integrated Service Digita  
" INAP" ) (Intelligent Network Application Protocol ;

1

(SCP ; Service Control Point ; " SCP" ) (101),  
 (Service Switching Point ; , SSP ) (102),  
 (Intelligent Peripheral ; , IP ) (103)  
 (Signaling Transfer Point ; " STP" ) (104) INA  
 P, ISUP , STP(104) (mesh) ,  
 2 . IP(103) SSP(102) E1  
 (106) , STP(104) (signaling link)(105) SCP(101) INA  
 P , SSP(102) ISUP .

2 1 (Automatic Collect Call ; " A  
 CC" )

가 (ACC )가 (201), SSP1 (Initial Dete  
 ction Point ; " IDP" ) SCP (202), 가  
 IP가 . SCP SSP1 IP (Specialized Resource)  
 (Bearer Channel Connection) (203). , (call setup)  
 . SSP1 (ISUP) (Initi  
 al Address Message : IAM) SSP2 (204), SSP2 SSP3 (2  
 05), (Signaling End Point ; " SEP" ) IP (206). , (S  
 SP) (Routing Table) 가 . IP IAM  
 (Address Complete Message ; " ACM" ) 가 가  
 SSP1 (207~210). 가 IP (specialized resource)  
 (211). IP IAM , SCP ( )  
 (Intelligent Network Application Part ; " INAP" )  
 (Assist Request Instruction ; " ARI" ) SCP (212). SCP IP가  
 가 (Play Announcement ; " PA" ), (Pro  
 mpt and Receive Message ; " PRM" ), (Prompt and Collect User Information ;  
 " PCUI" ) SCP (213). IP (Answer Message : ,  
 " ANM" ) SSP SSP 가 (214~217)  
 . IP SCP (PA, PRM, PCUI, ) ,  
 SCP 가 , 가 , 가  
 (218). SSP1 ( 가 ) 가  
 , ISUP (IAM, ACM, ANM) 가  
 . IP IAM , ACM , 가  
 . IP 가 IAM , SCP ( )  
 , INAP ARI SCP . IP ANM  
 SSP1 SSP1 가 , 가 가  
 (202~217) (219~234). SCP IP가 가  
 (PA), (PCUI) , IP SCP (PA, PCUI )  
 , 가 PA, PCUI ACC ( , 1 )  
 SCP (235). SSP1 (call merging)  
 , (Voice Communication Channel) (236).

가 , 가 ,  
 (Telecommunication Information Network Architecture ; " TINA" ) (D  
 istributed Processing Environment ; " DPE" ) (Object Management Group ; " OMG  
 " )  
 (Common Object Request Broker Architecture ; " CORBA" ) . TINA  
 CORBA TINA 가 , 가 ,  
 INAP . CORBA CORBA

ATM , No.7  
 , INAP over ATM  
 (General Switch Management Protocol ; " GSMP"  
 ), (QoS - extended version of GSMP ; " qGSMP  
 " ) CORBA ,  
 CORBA ,  
 SSP TINA  
 SSP, SCP, IP INAP INAP  
 (Remote Operations Service ; " ROS" )  
 ROS INAP ASN.1  
 ROS OMG (Interface Definition Language ; " IDL" )  
 CORBA

가 CORBA - based AIN ,  
 CORBA TINA TINA  
 TINA 가

, IP SSP (Switching)

가 가  
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 " 가  
 가 2 ; 가 가  
 , 가 가 3 ; 가 가 4 .

가 가  
 1 ;  
 " 가  
 2 ; 가 가 가  
 3 ; 가 가 가 4 .

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GSMP (master system)(301) GSMP  
 (slave) (305, 307) GSMP , SCP, SSP, IP  
 INAP MTP, SCCP, TCAP No.7 (302  
 ,308,306) 가 , STP(304) ISUP  
 (processor controller) GSMP (301) GSMP  
 (Connection Management Message, : GSMP - - > GSMP ), (Configura  
 Port Management Message, : GSMP - - > GSMP ), (Statistics Mess  
 tion Information Message, : GSMP - - > GSMP ) GSMP (Deamon)  
 age, : GSMP - - > GSMP GSMP (Asynchronous Transfer M  
 , code ; , " ATM" ) GSMP (301) GSMP (305, 307)



가 , 가 가

ISUP

가 , 가 , 가

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