

FIG.1

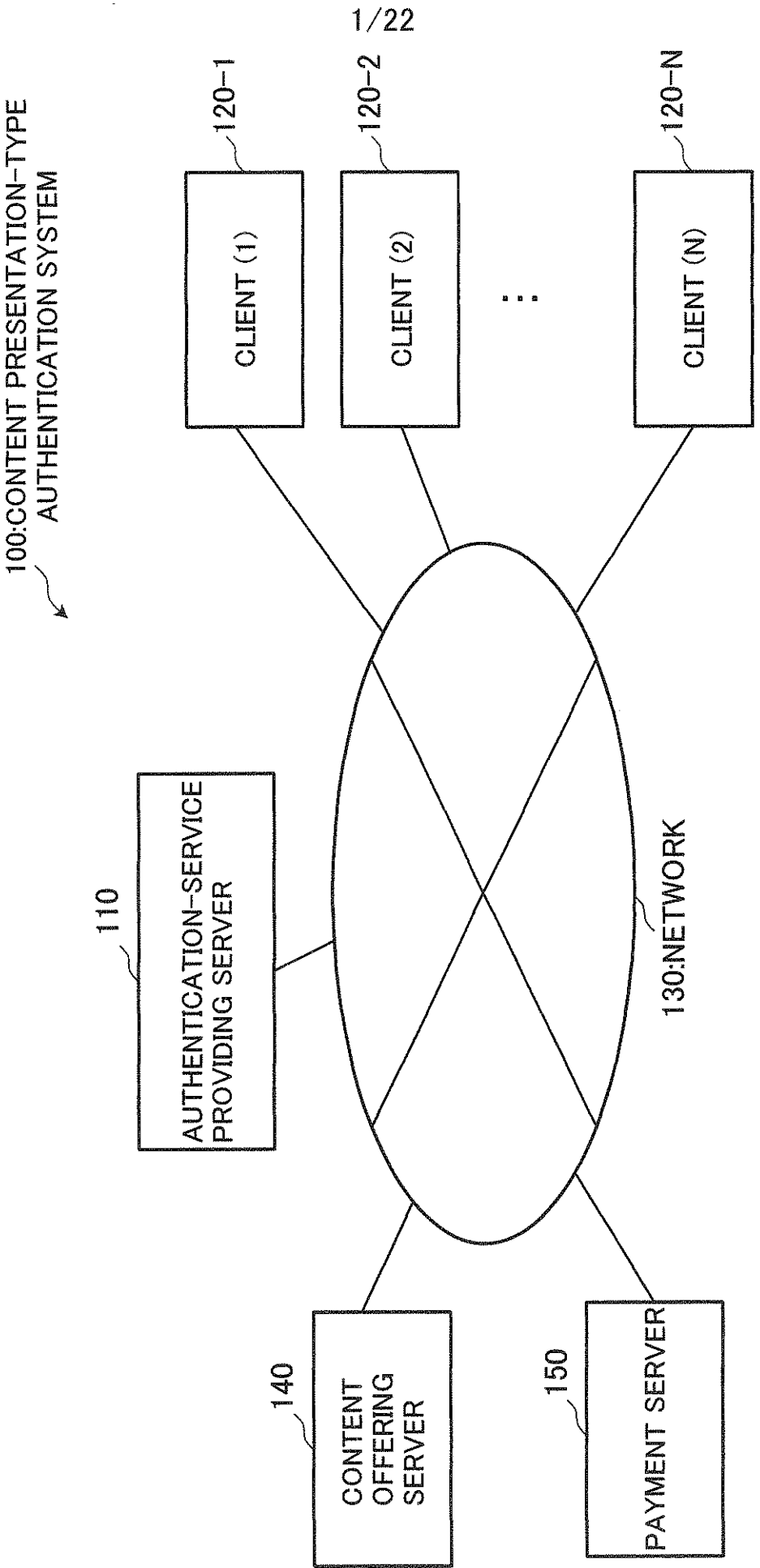
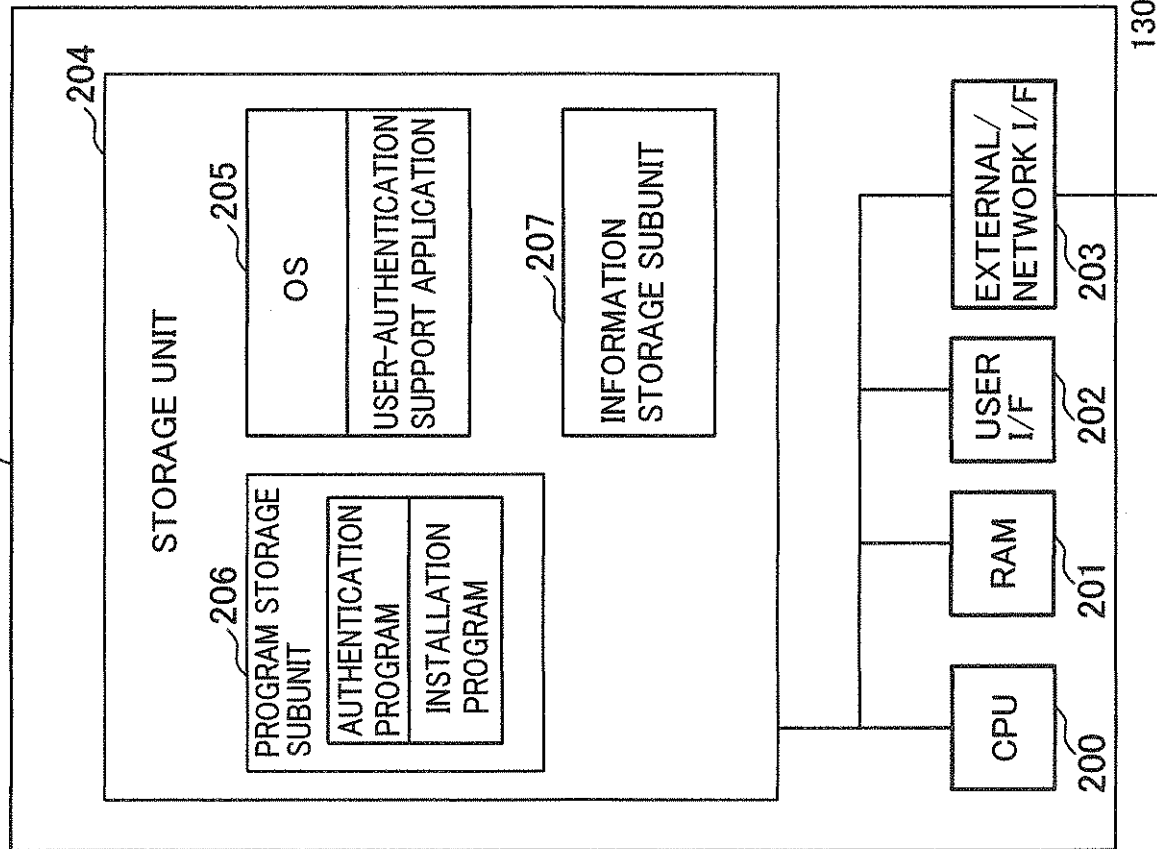


FIG.2

110:AUTHENTICATION-SERVICE PROVIDING SERVER



120:CLIENT

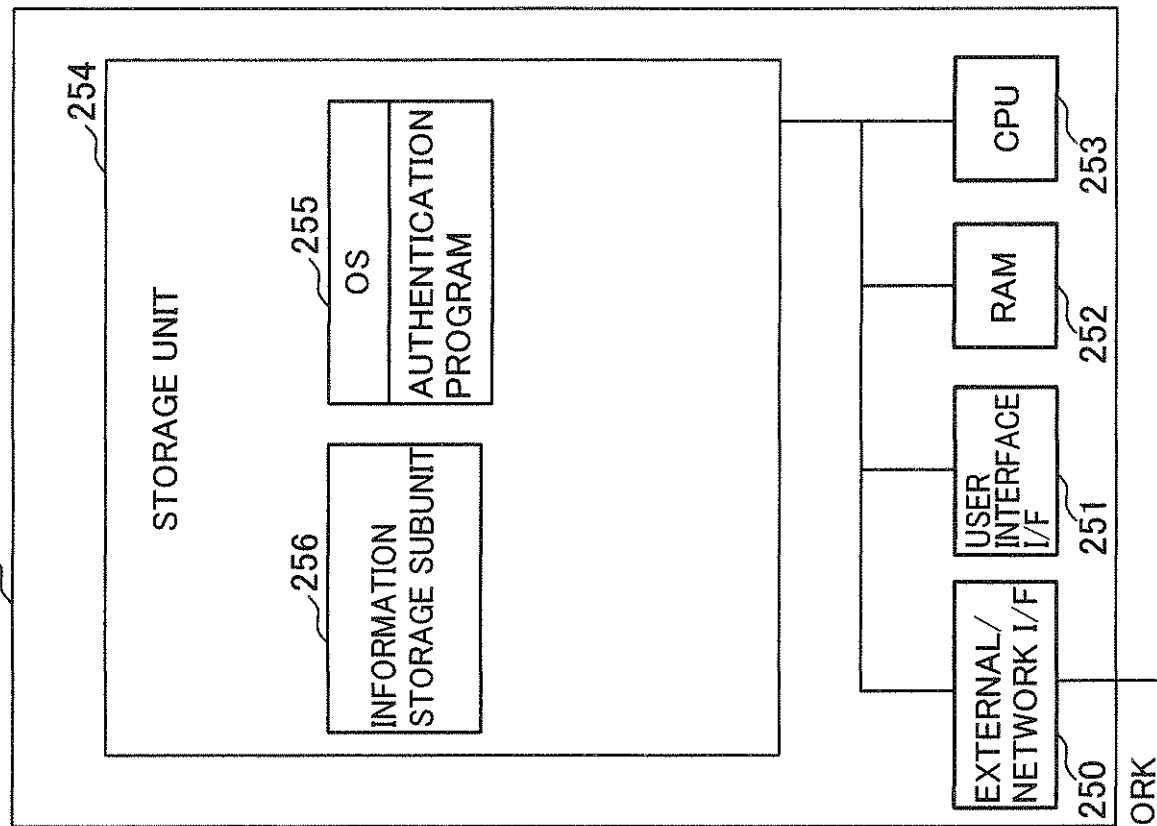


FIG. 3

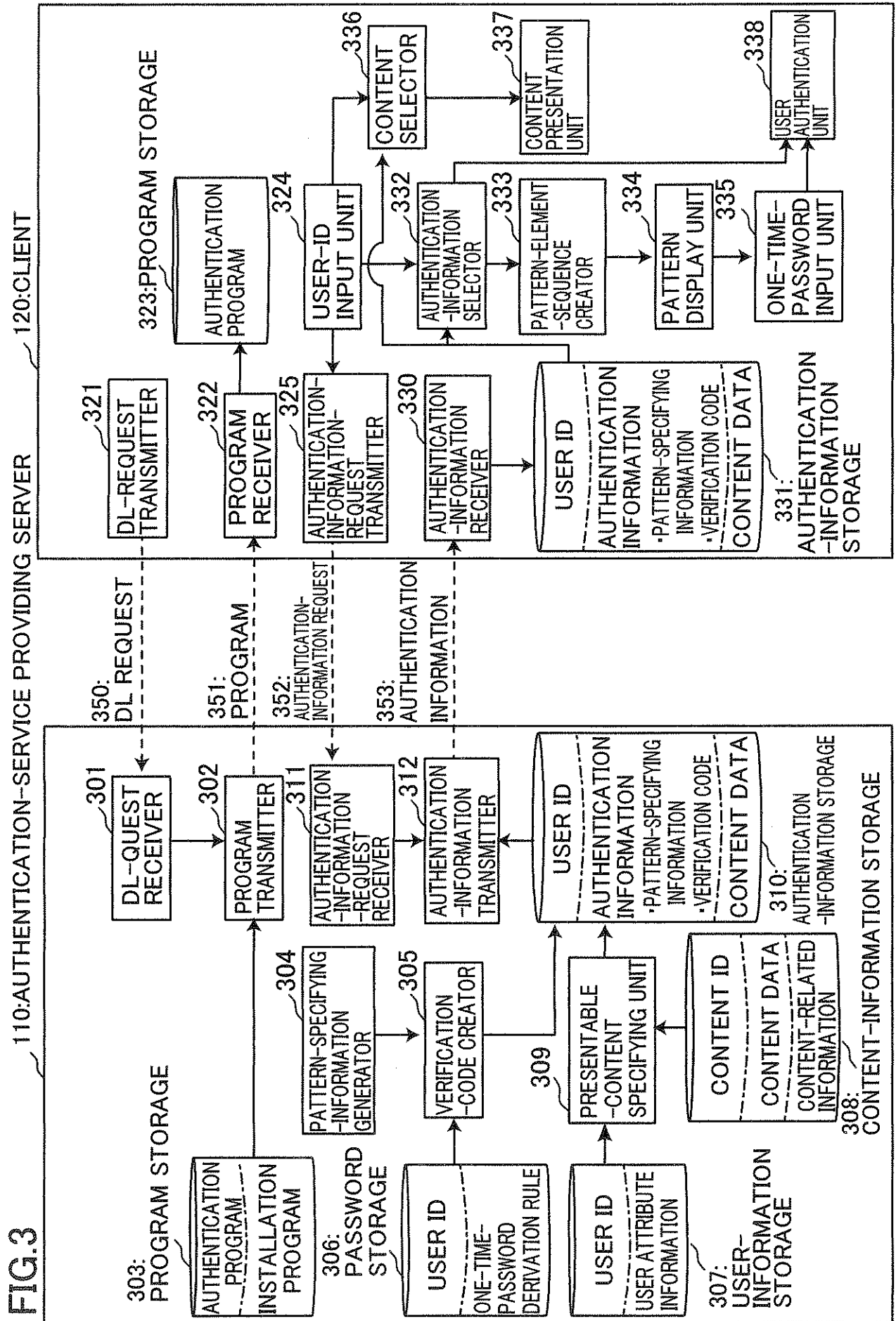


FIG.4

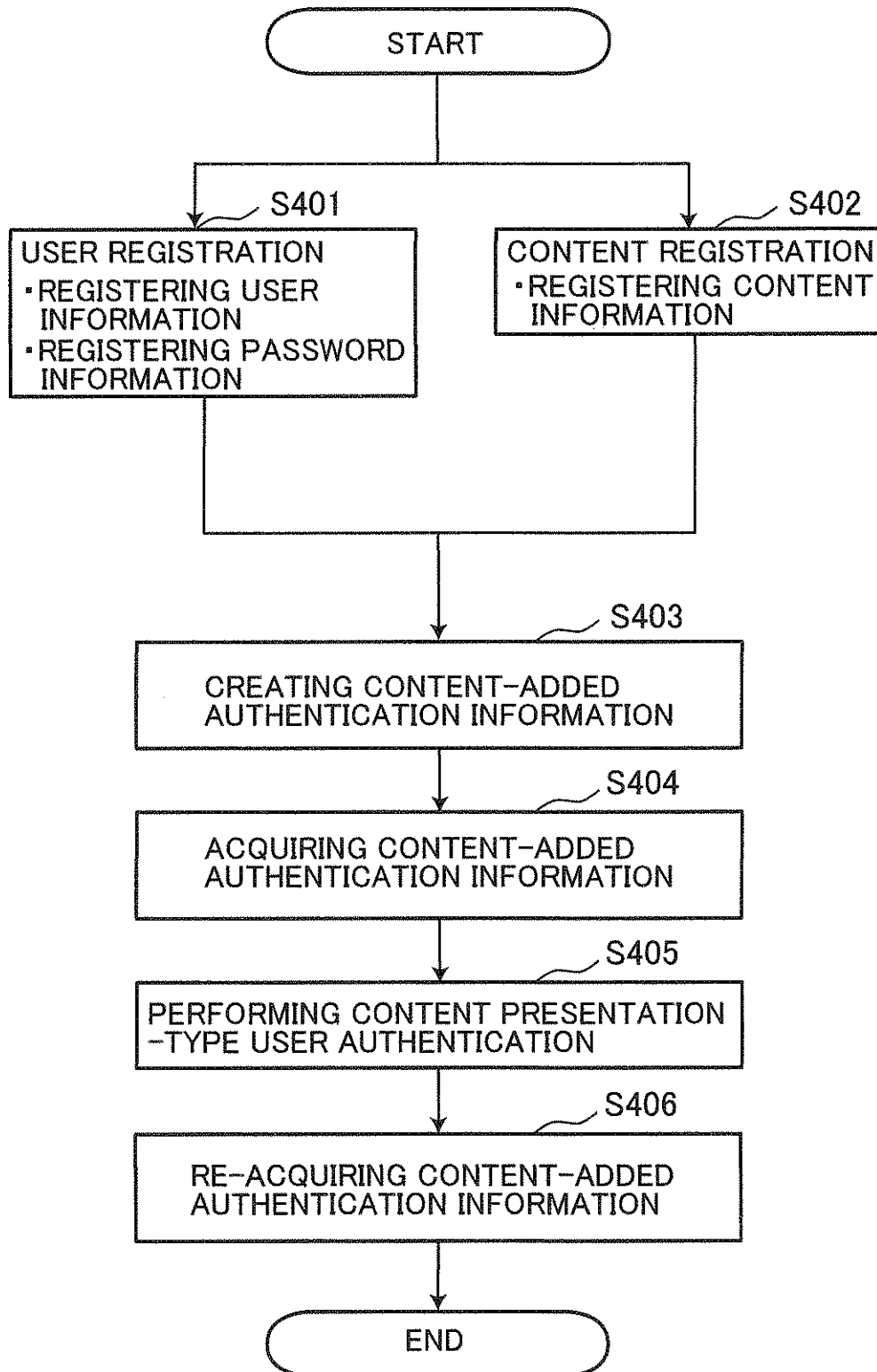


FIG.5
(USER REGISTRATION STAGE)

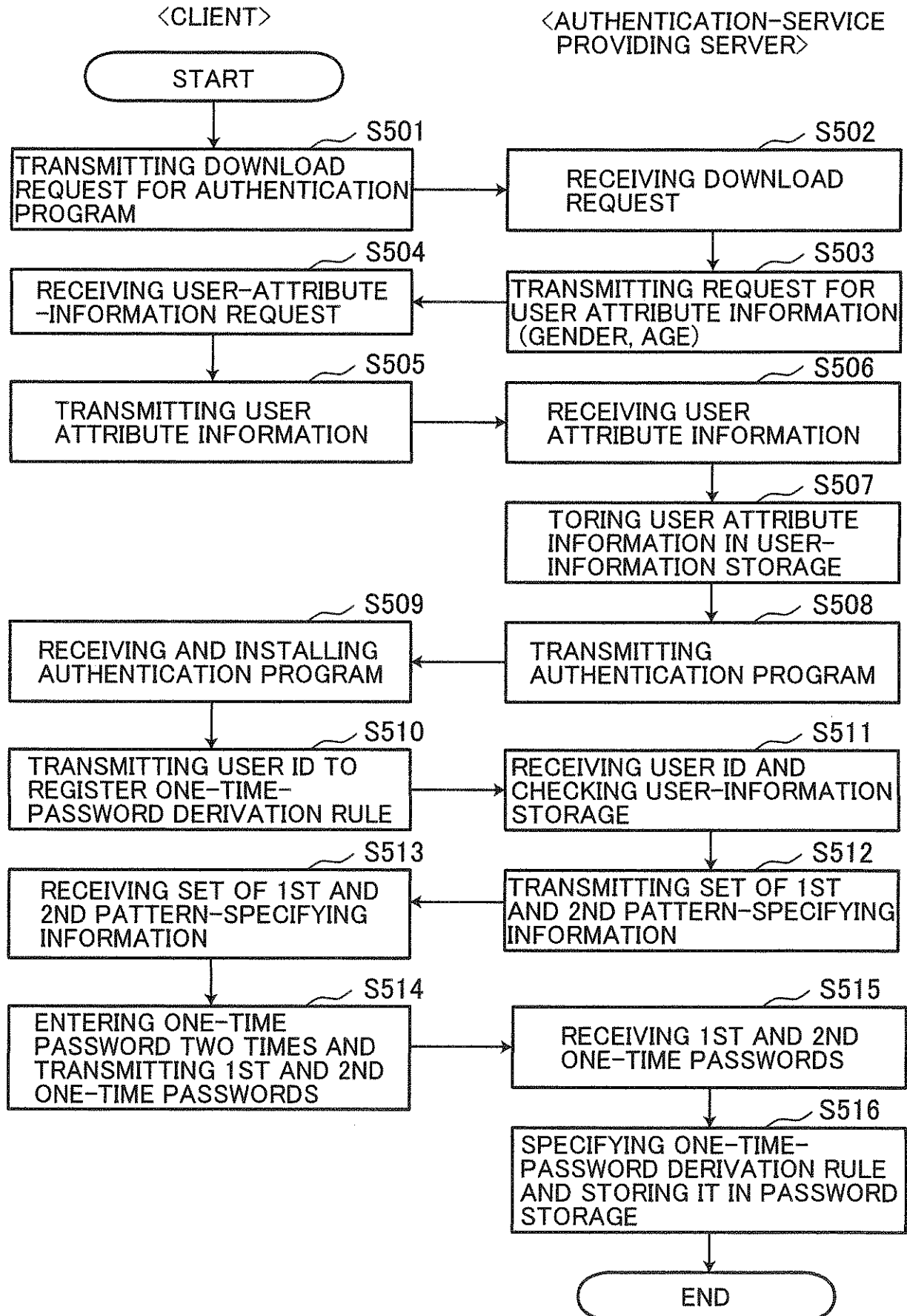


FIG.6

USER INFORMATION TABLE

USER ID
USER ATTRIBUTE INFORMATION ▪ AGE ▪ GENDER ▪ REGISTRATION DATE

FIG.7

PASSWORD TABLE

USER ID
ONE-TIME PASSWORD DERIVATION RULE

FIG.8
(CONTENT REGISTRATION STAGE)

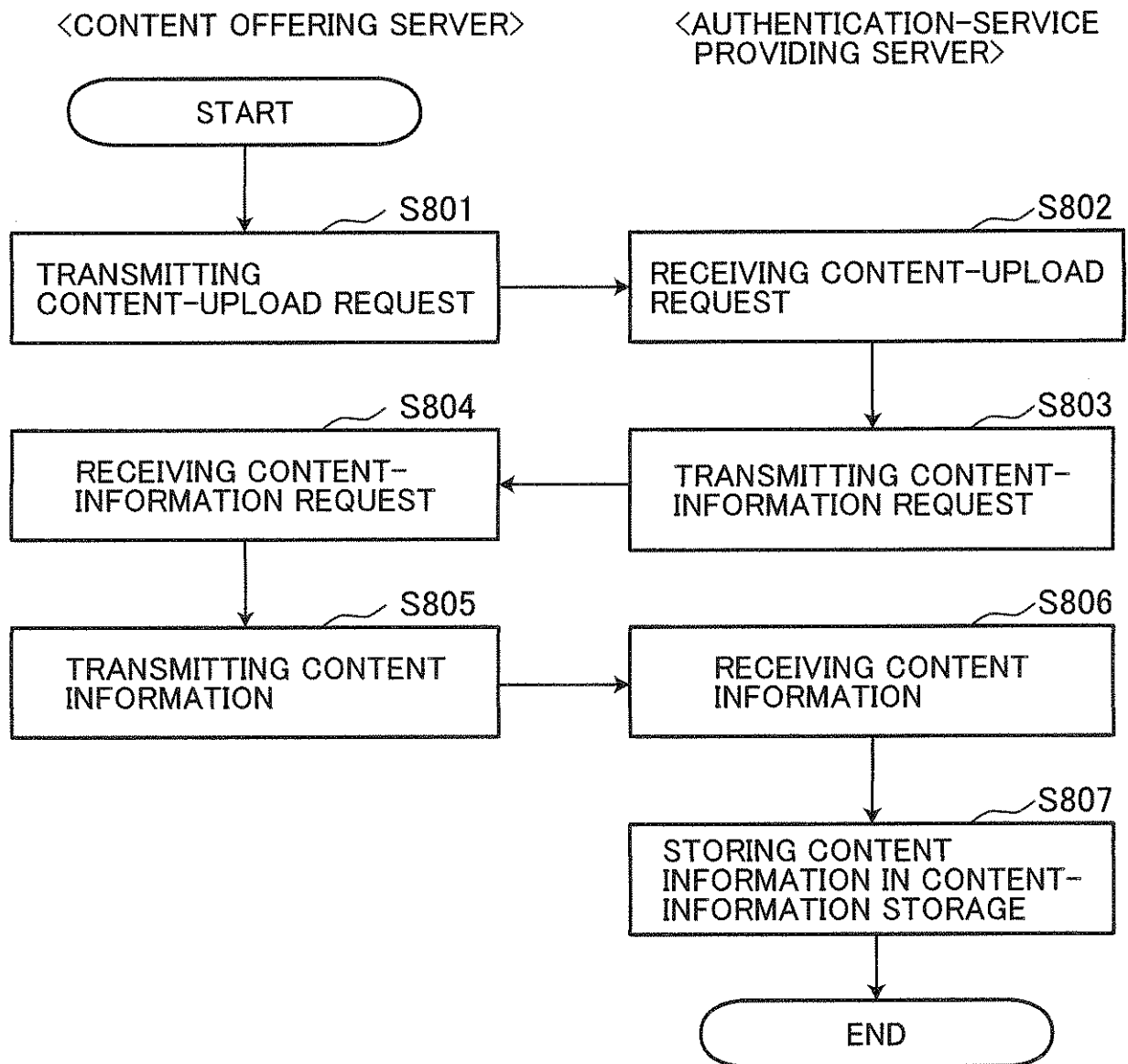


FIG.9

CONTENT INFORMATION TABLE

CONTENT ID
CONTENT OFFERER ID
CONTENT DATA
CONTENT-PRESENTATION TARGET USER CONDITION ▪TARGET GENDER ▪TARGET AGE

FIG.10

(CONTENT-ADDED-AUTHENTICATION-INFORMATION CREATION STAGE)

<AUTHENTICATION-SERVICE PROVIDING SERVER>

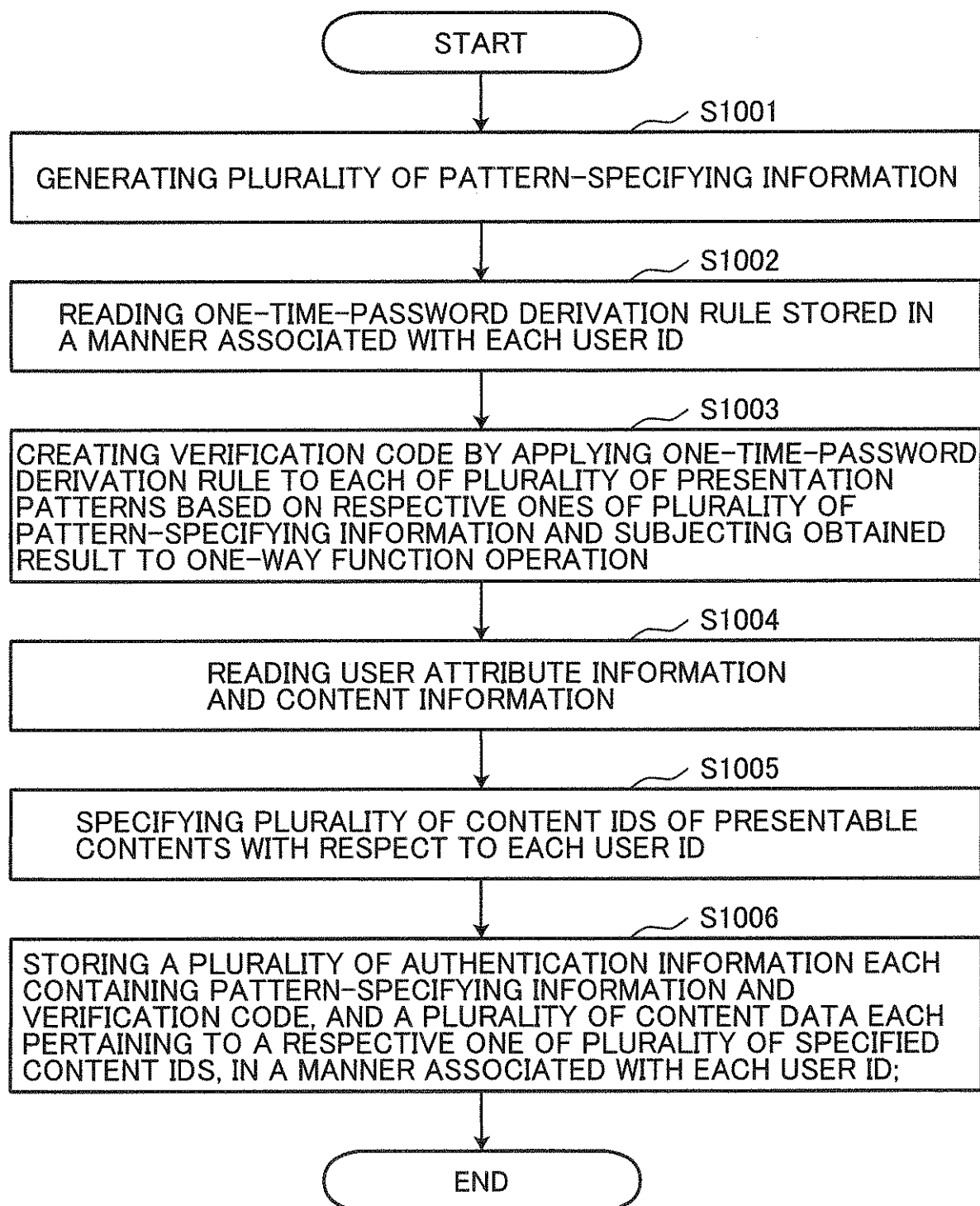


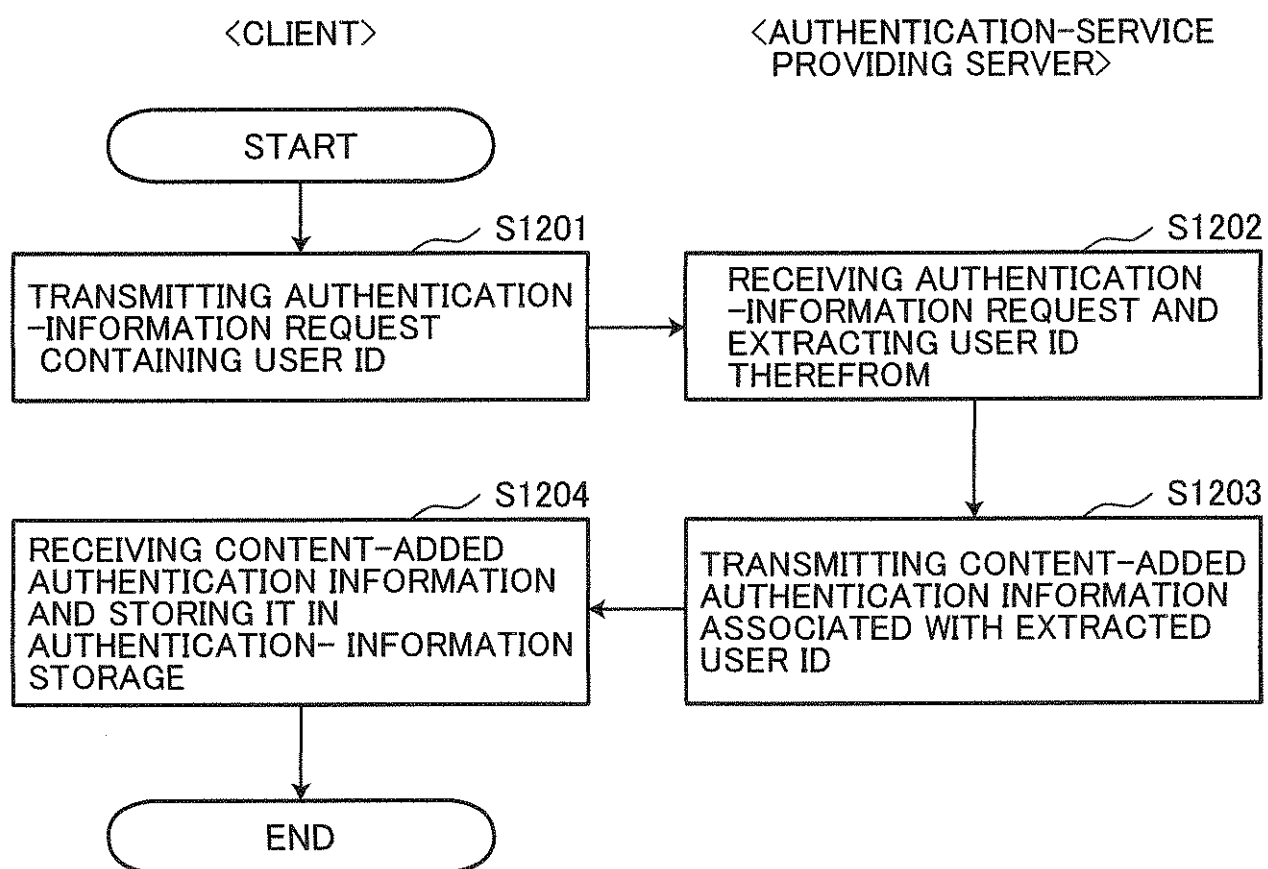
FIG.11

CONTENT-ADDED AUTHENTICATION INFORMATION TABLE

USER ID
AUTHENTICATION INFORMATION (1) •PATTERN-SPECIFYING INFORMATION (1) •VERIFICATION CODE (1)
}
AUTHENTICATION INFORMATION (P) •PATTERN-SPECIFYING INFORMATION (P) •VERIFICATION CODE (P)
CONTENT DATA (1)
}
CONTENT DATA (Q)

FIG.12

(CONTENT-ADDED-AUTHENTICATION-INFORMATION CREATION STAGE)



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FIG.13

(CONTENT PRESENTATION-TYPE AUTHENTICATION STAGE)
<CLIENT>

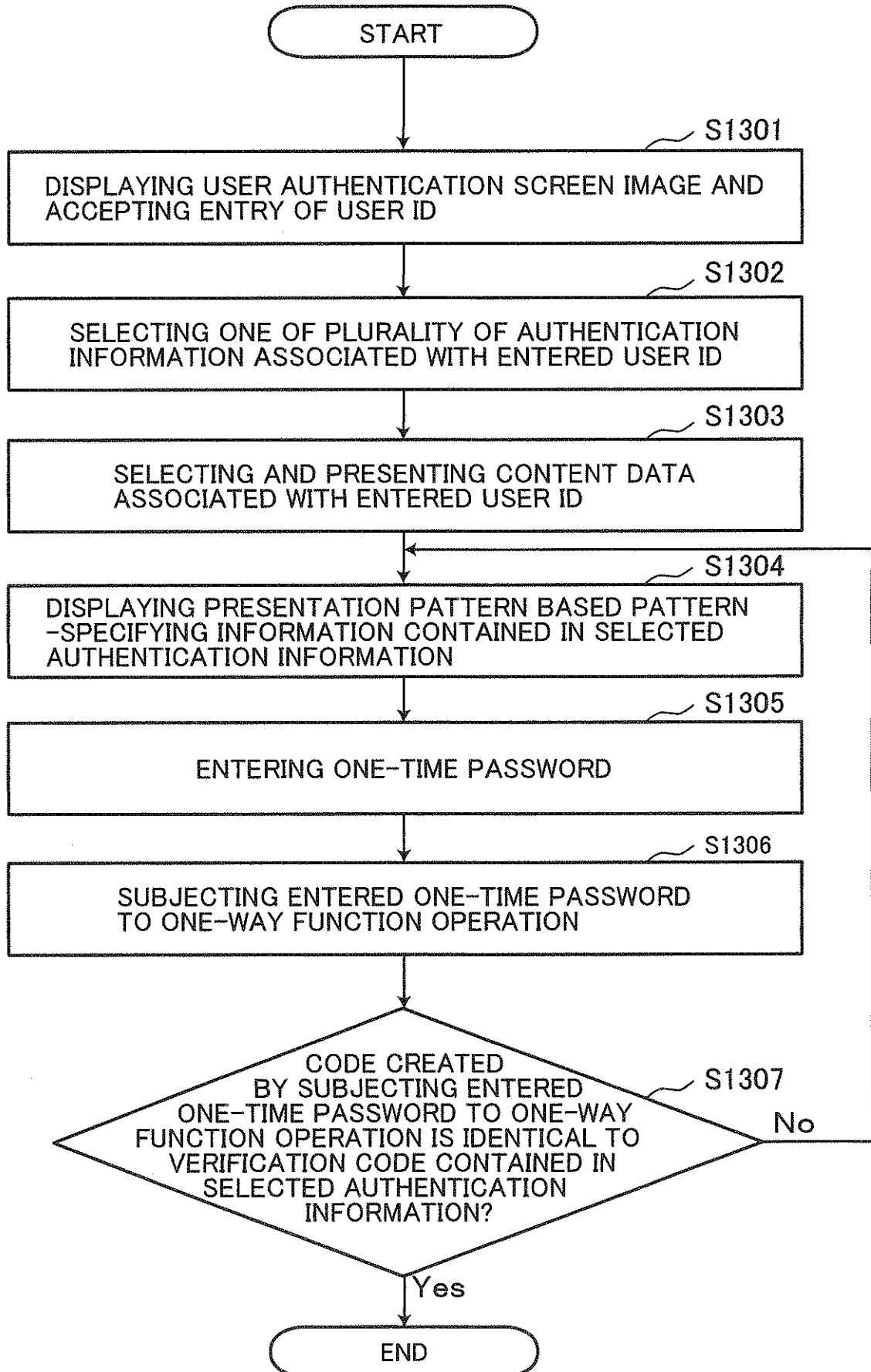


FIG.14

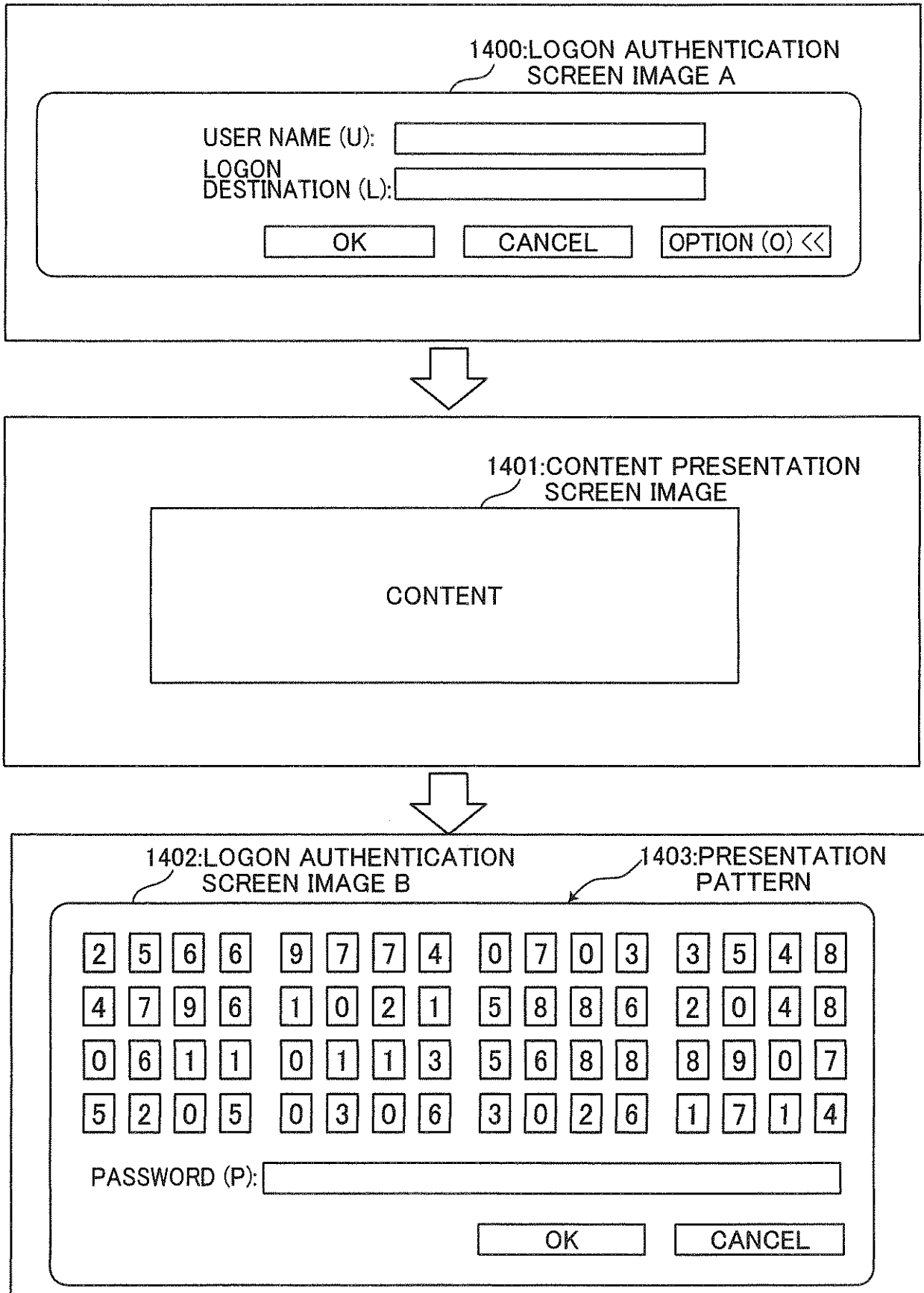
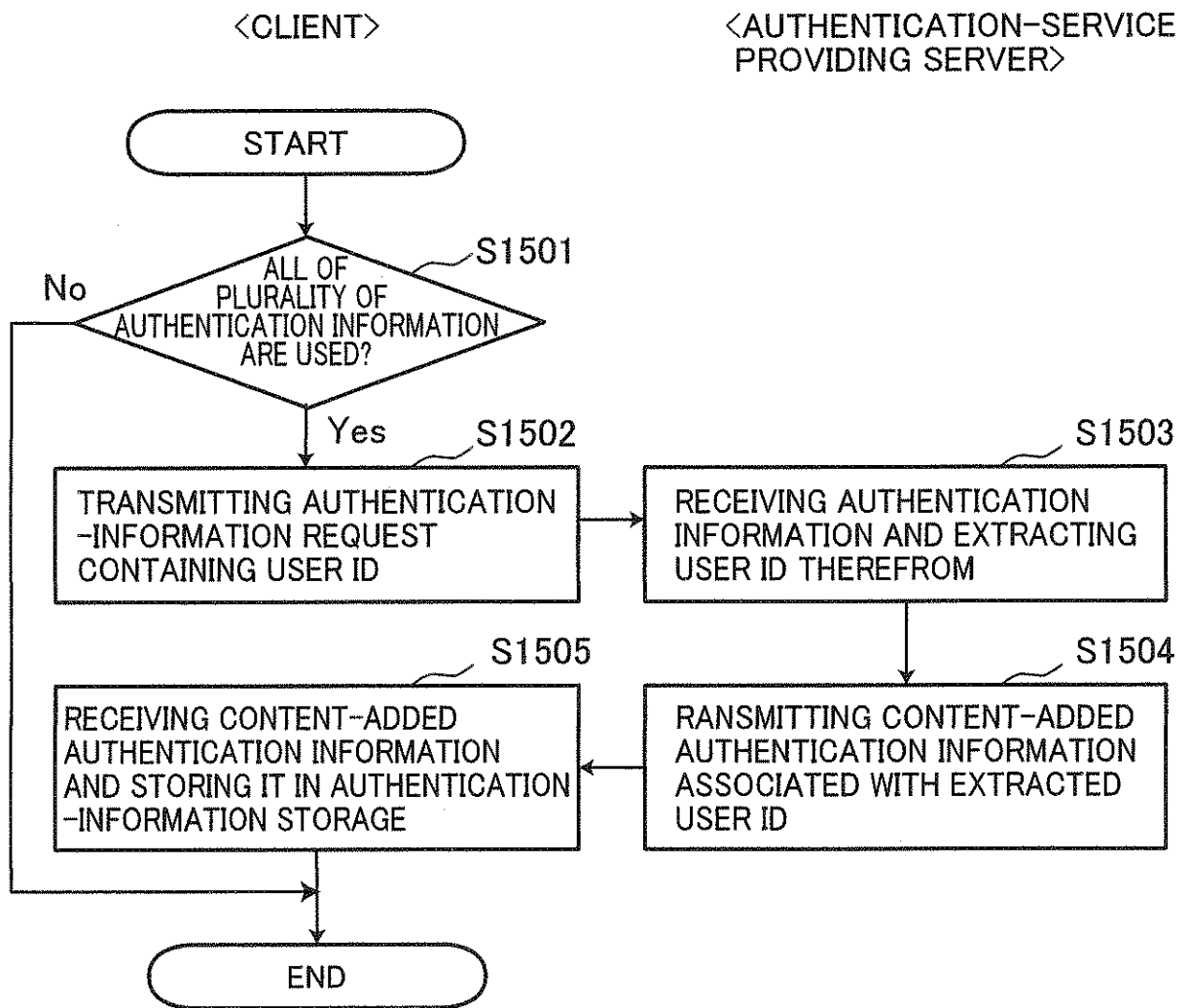


FIG.15

(CONTENT-ADDED AUTHENTICATION INFORMATION RE-ACQUISITION STAGE)



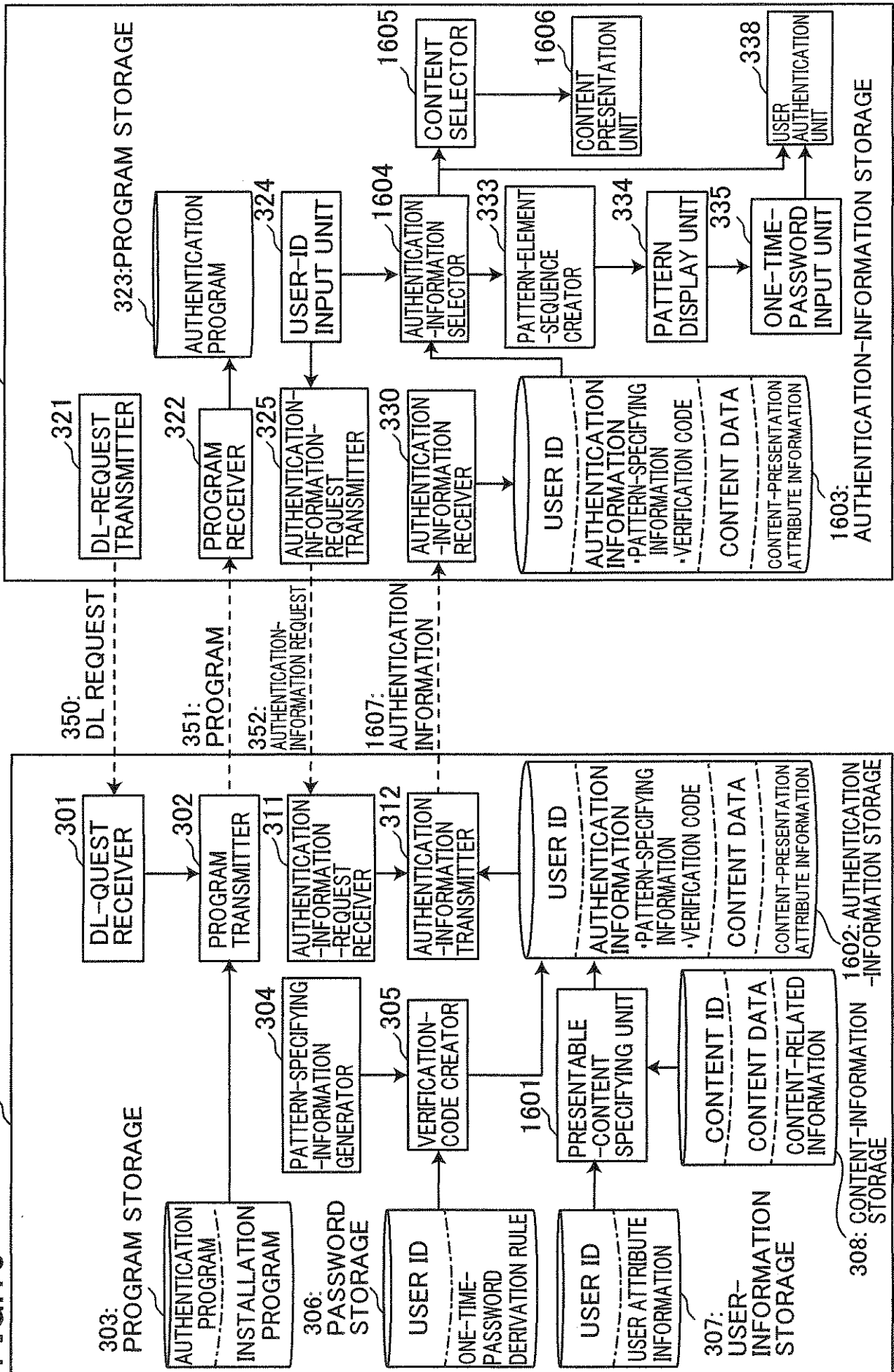


FIG.17

(CONTENT-ADDED-AUTHENTICATION-INFORMATION CREATION STAGE)

<AUTHENTICATION-SERVICE PROVIDING SERVER>

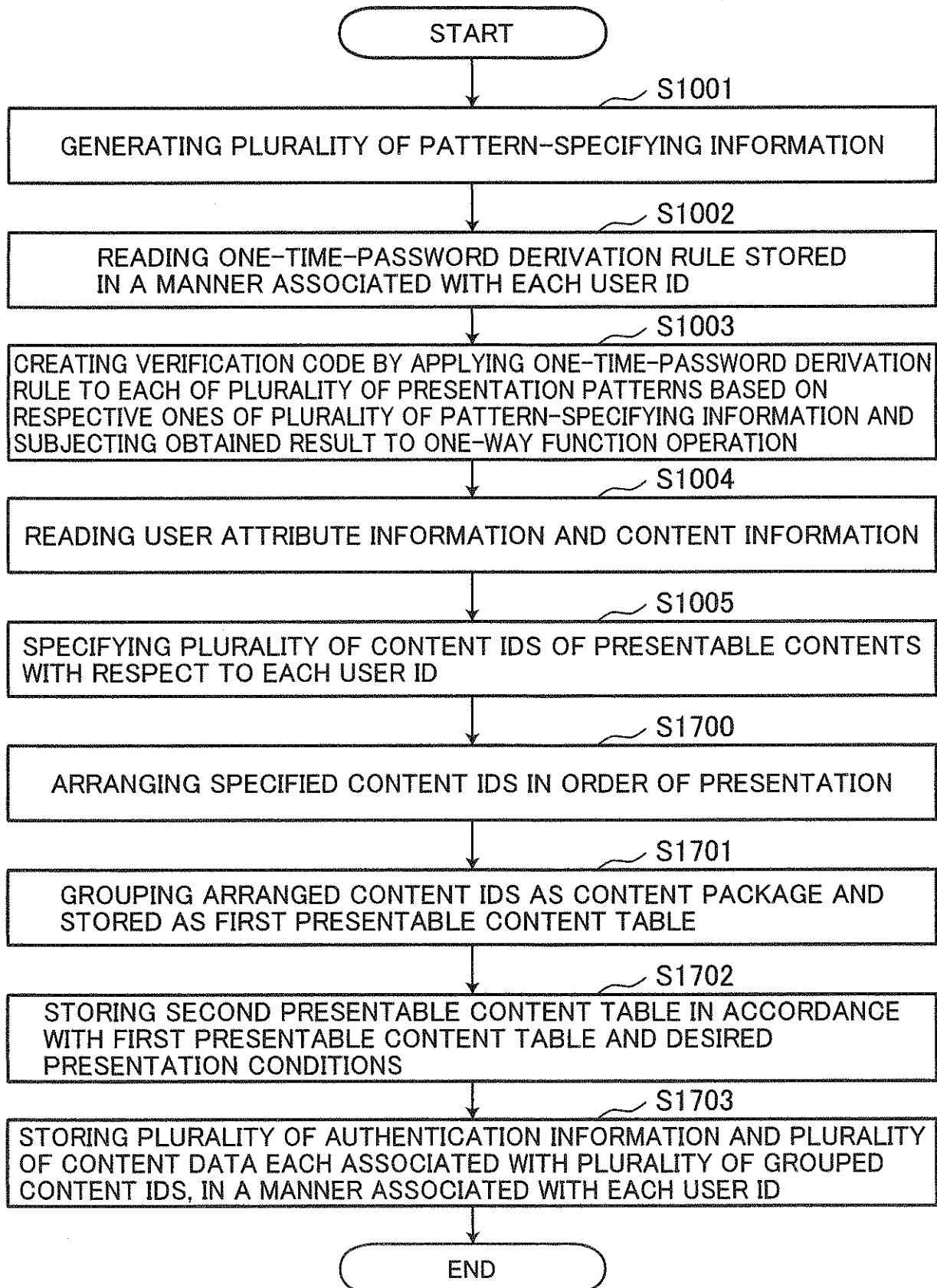


FIG.18

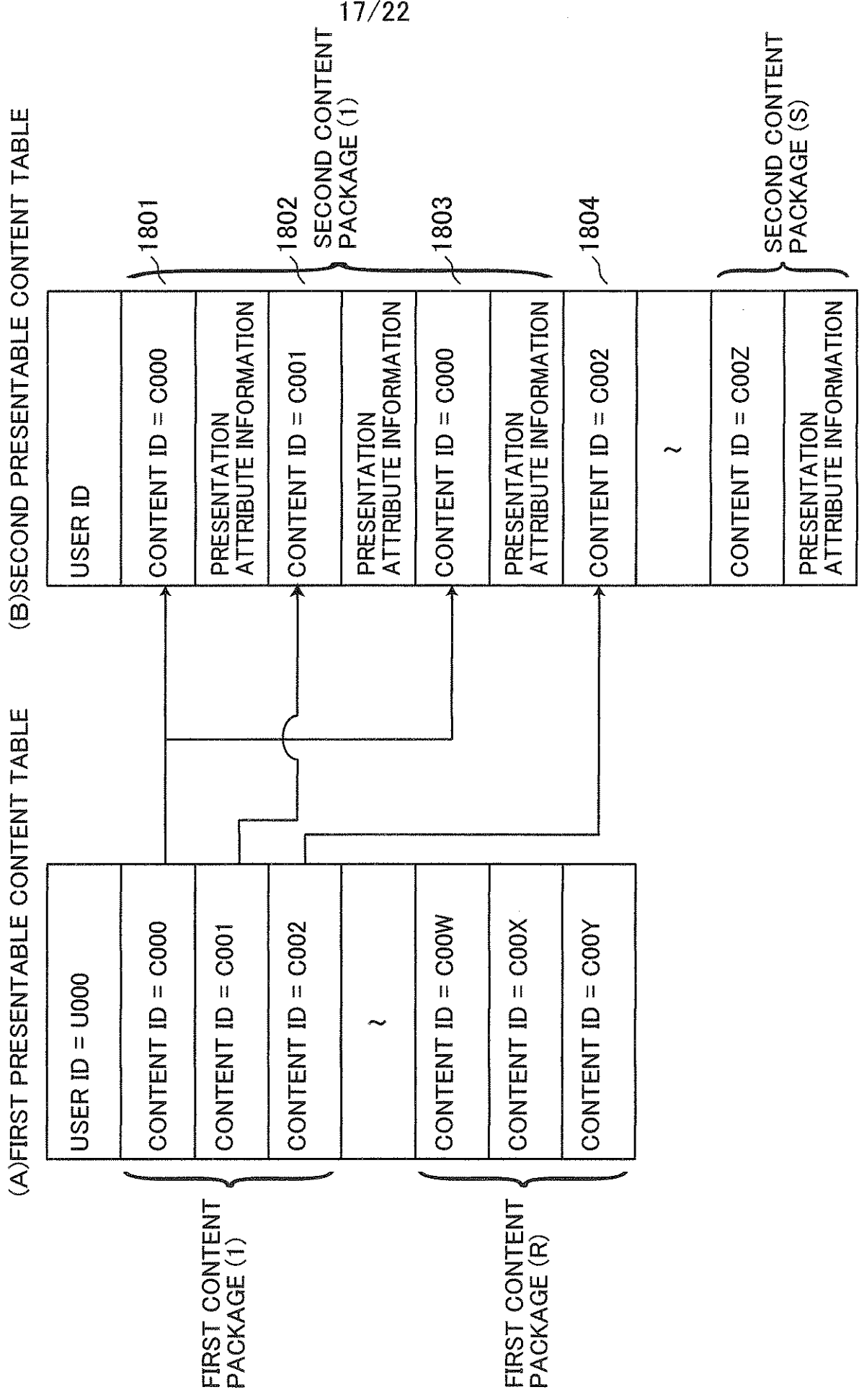


FIG.19

CONTENT-ADDED AUTHENTICATION INFORMATION TABLE

USER ID	
AUTHENTICATION INFORMATION (1) ▪ PATTERN-SPECIFYING INFORMATION (1) ▪ VERIFICATION CODE (1)	CONTENT-ADDED AUTHENTICATION INFORMATION PACKAGE (1)
CONTENT DATA (1-1)	
CONTENT-PRESENTATION ATTRIBUTE INFORMATION (1-1)	
CONTENT DATA (1-2)	
CONTENT-PRESENTATION ATTRIBUTE INFORMATION (1-2)	
CONTENT DATA (1-3)	
CONTENT-PRESENTATION ATTRIBUTE INFORMATION (1-3)	
}	
AUTHENTICATION INFORMATION (S) ▪ PATTERN-SPECIFYING INFORMATION (S) ▪ VERIFICATION CODE (S)	CONTENT-ADDED AUTHENTICATION INFORMATION PACKAGE (S)
CONTENT DATA (S-1)	
CONTENT-PRESENTATION ATTRIBUTE INFORMATION (S-1)	

FIG.20

(CONTENT PRESENTATION-TYPE AUTHENTICATION STAGE)

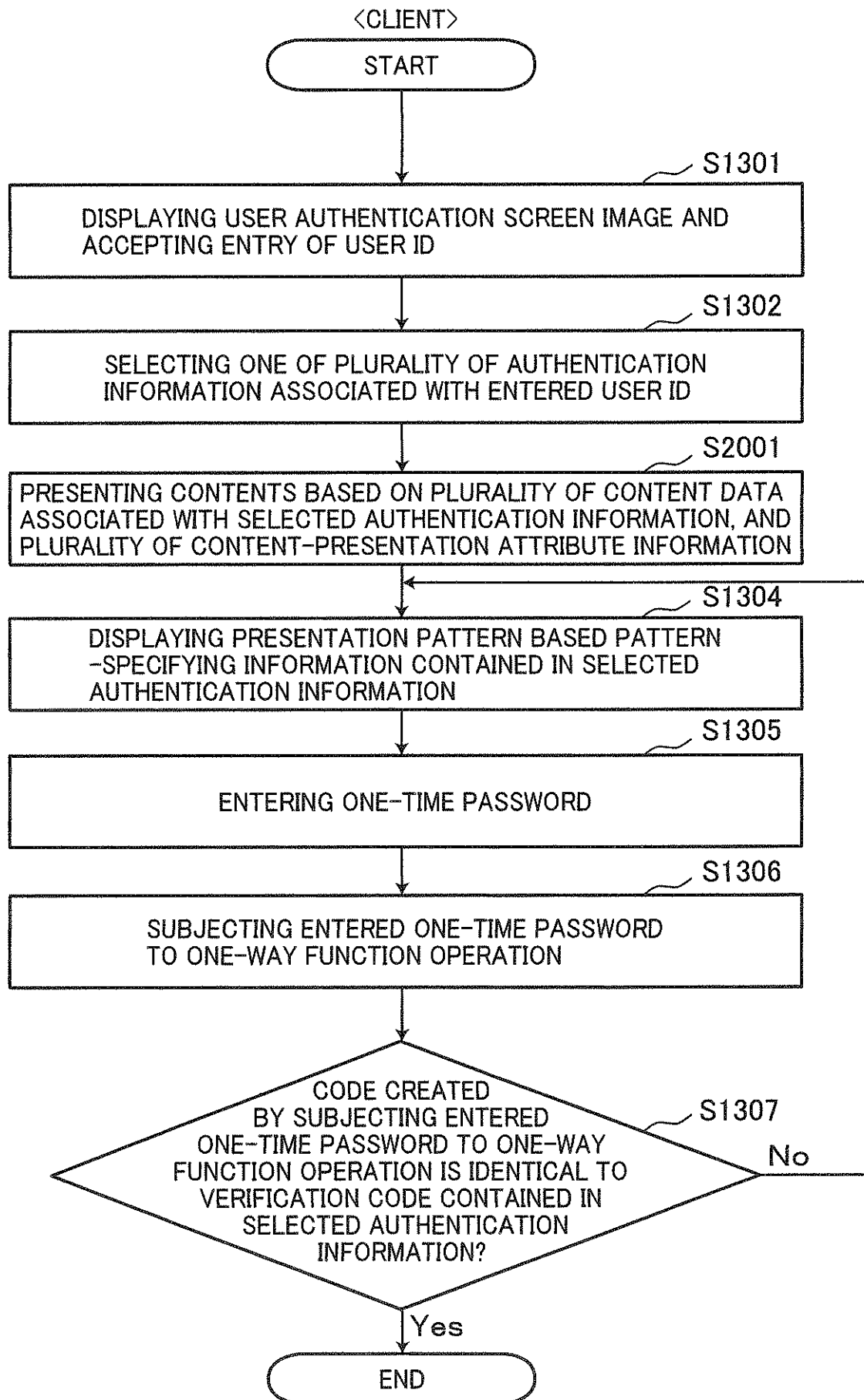


FIG. 21

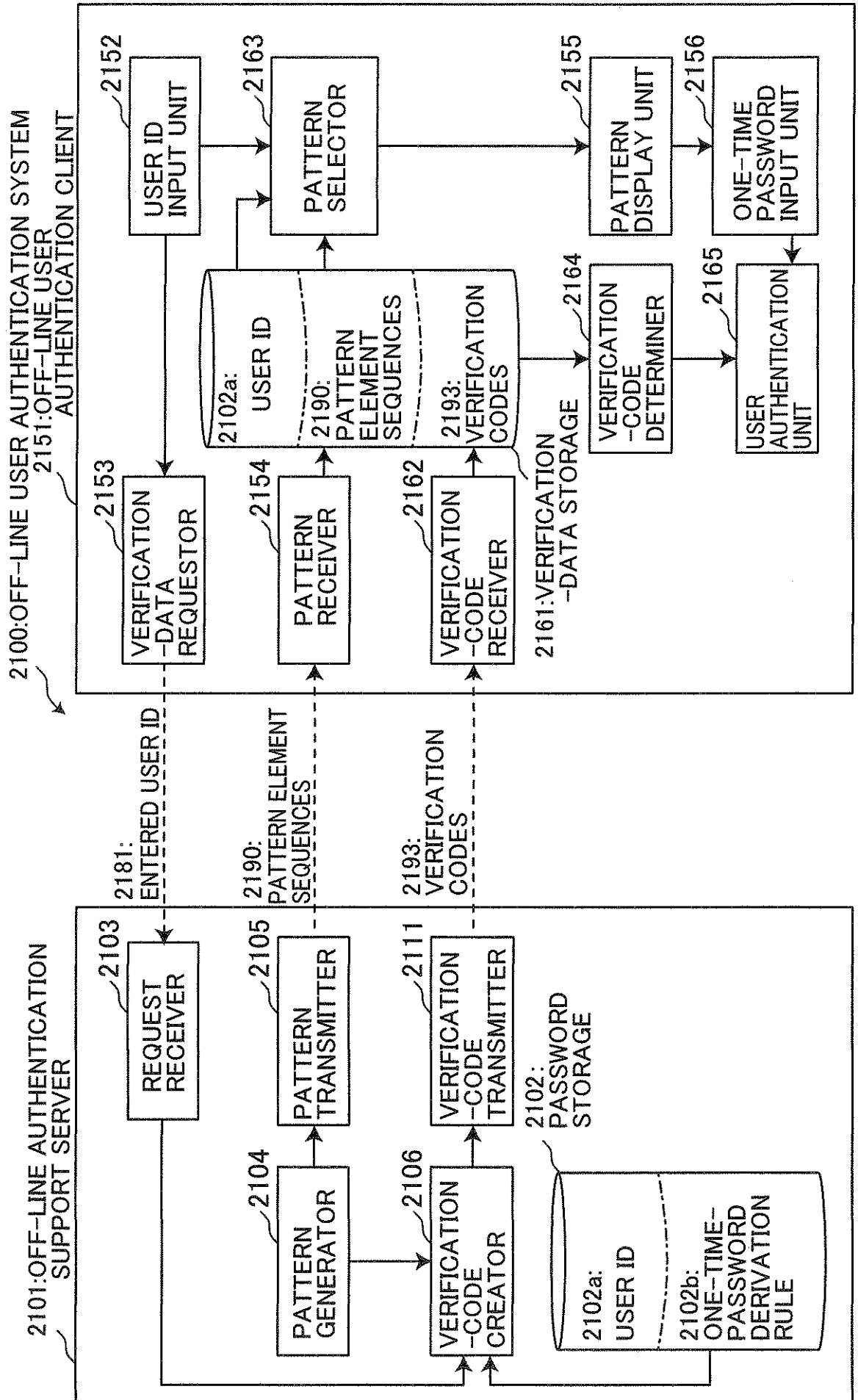


FIG.22

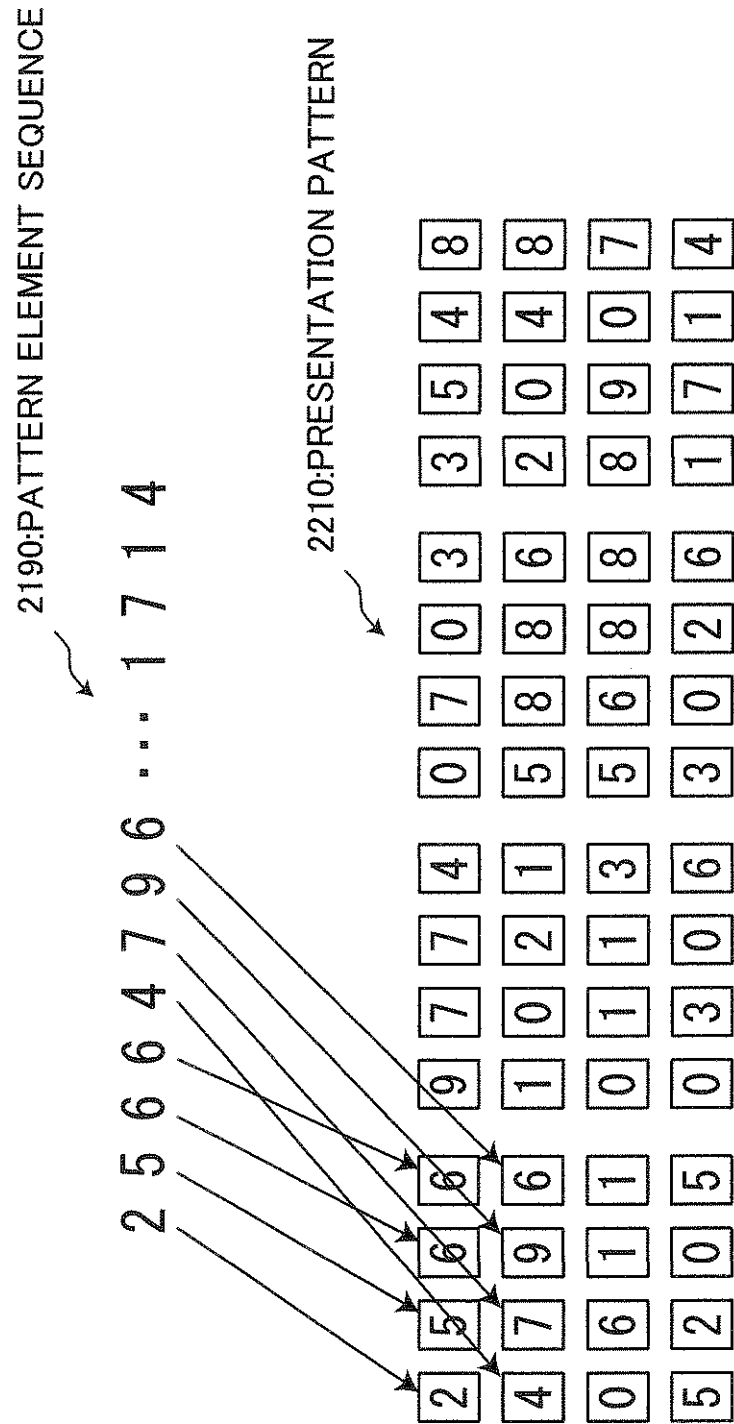


FIG.23

