

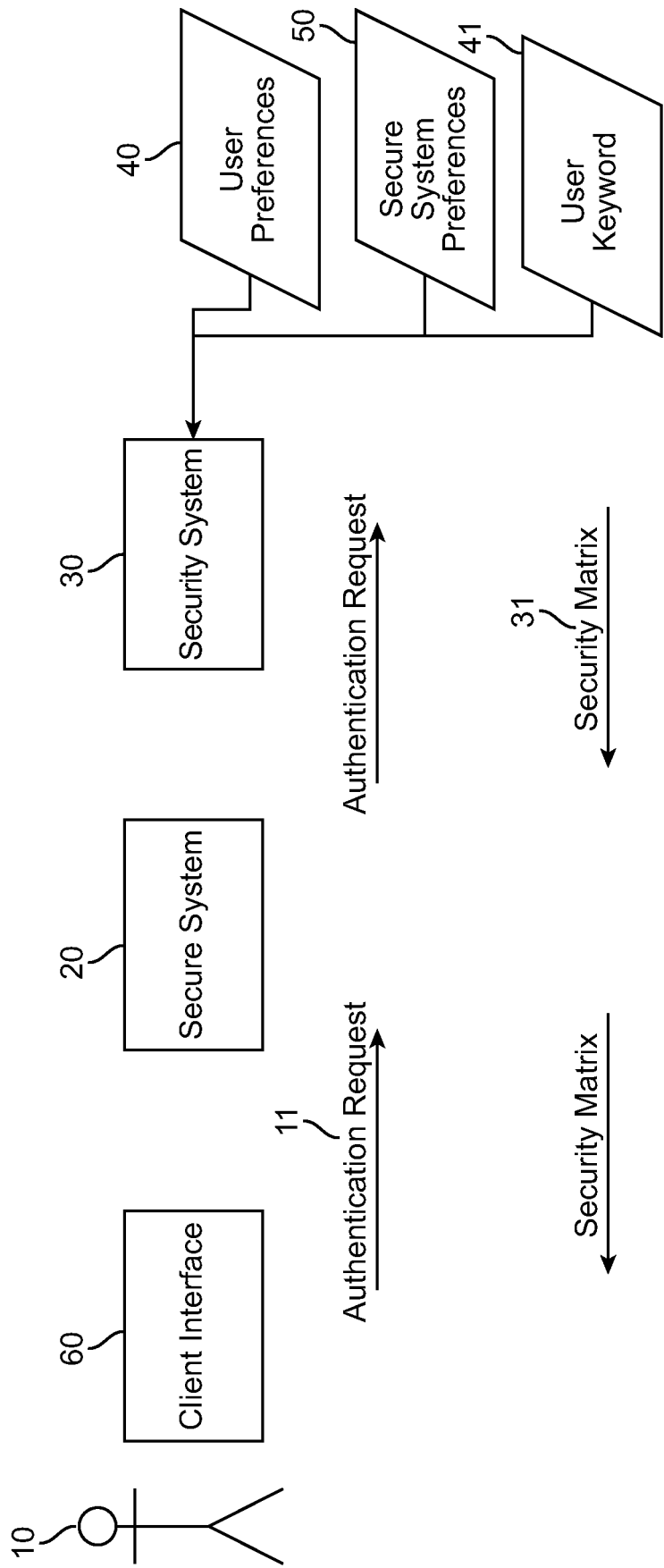


FIG. 1

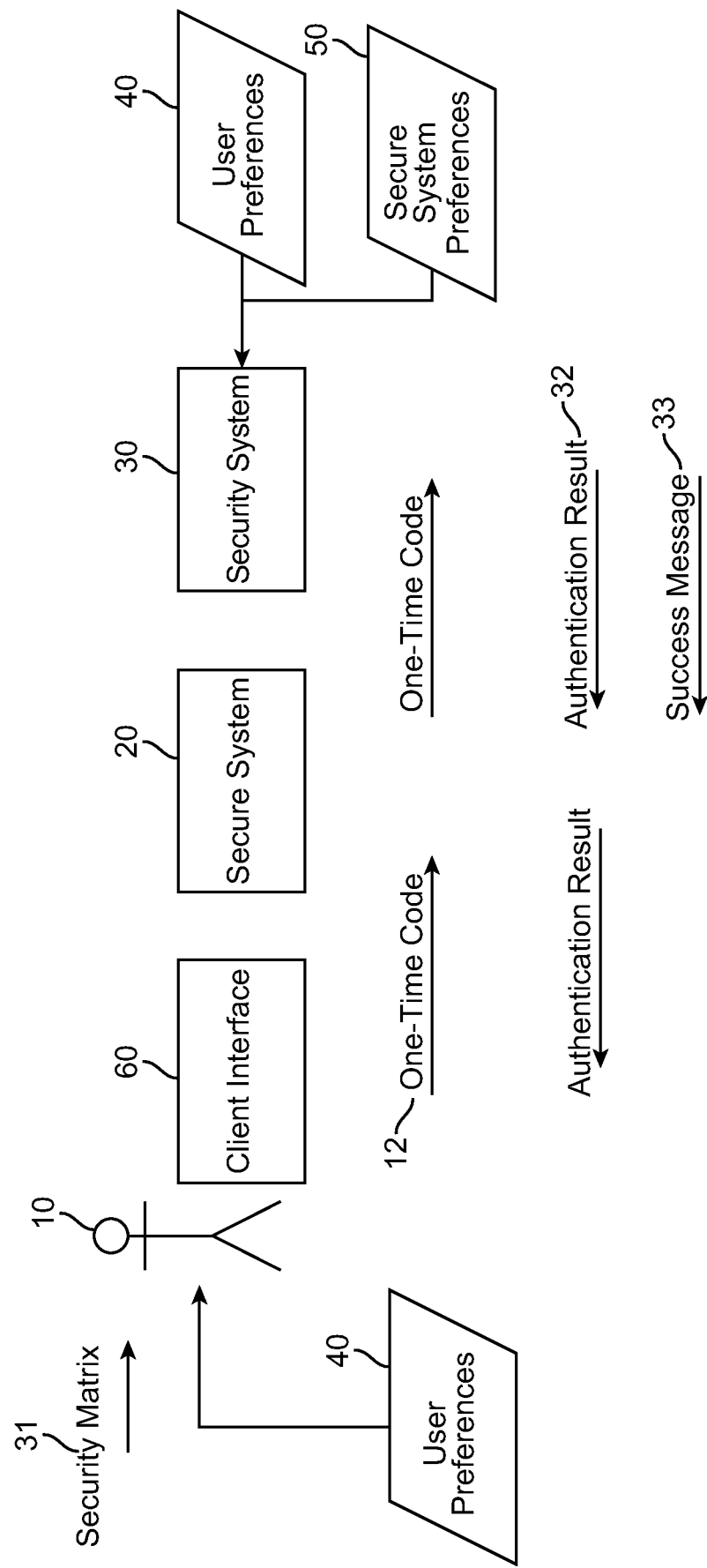


FIG. 2

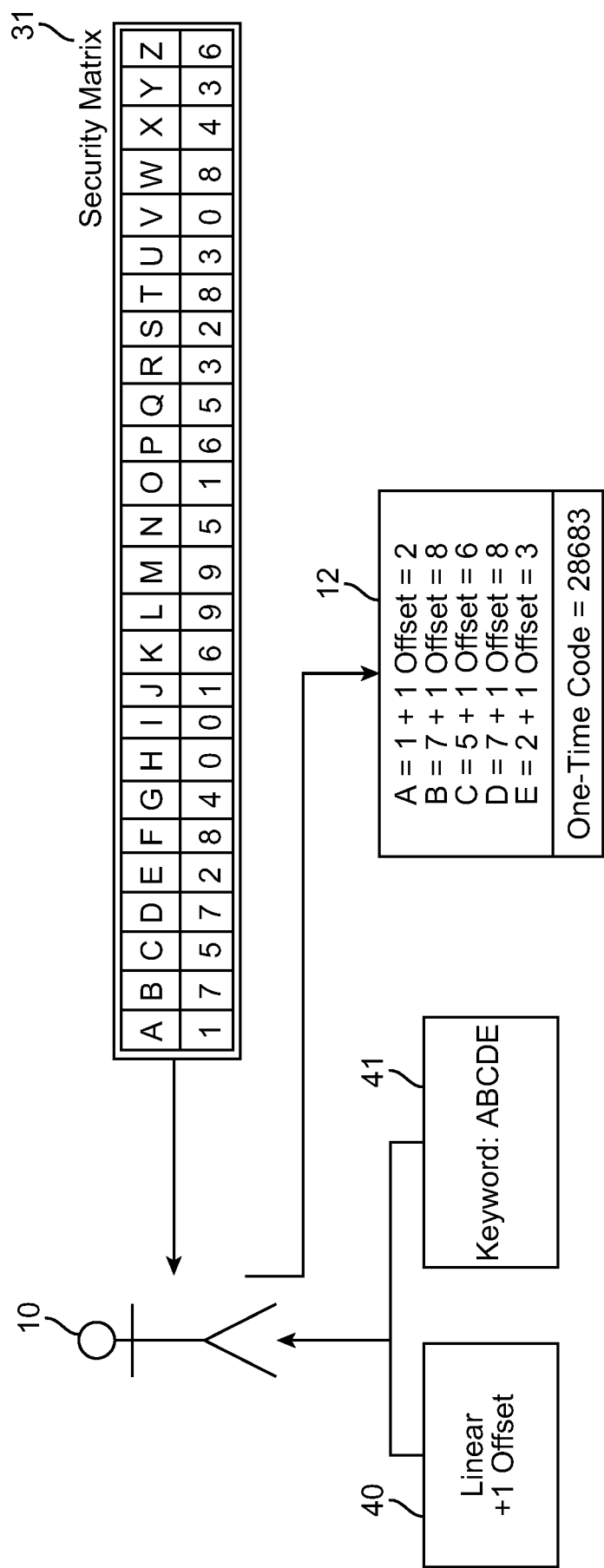


FIG. 3

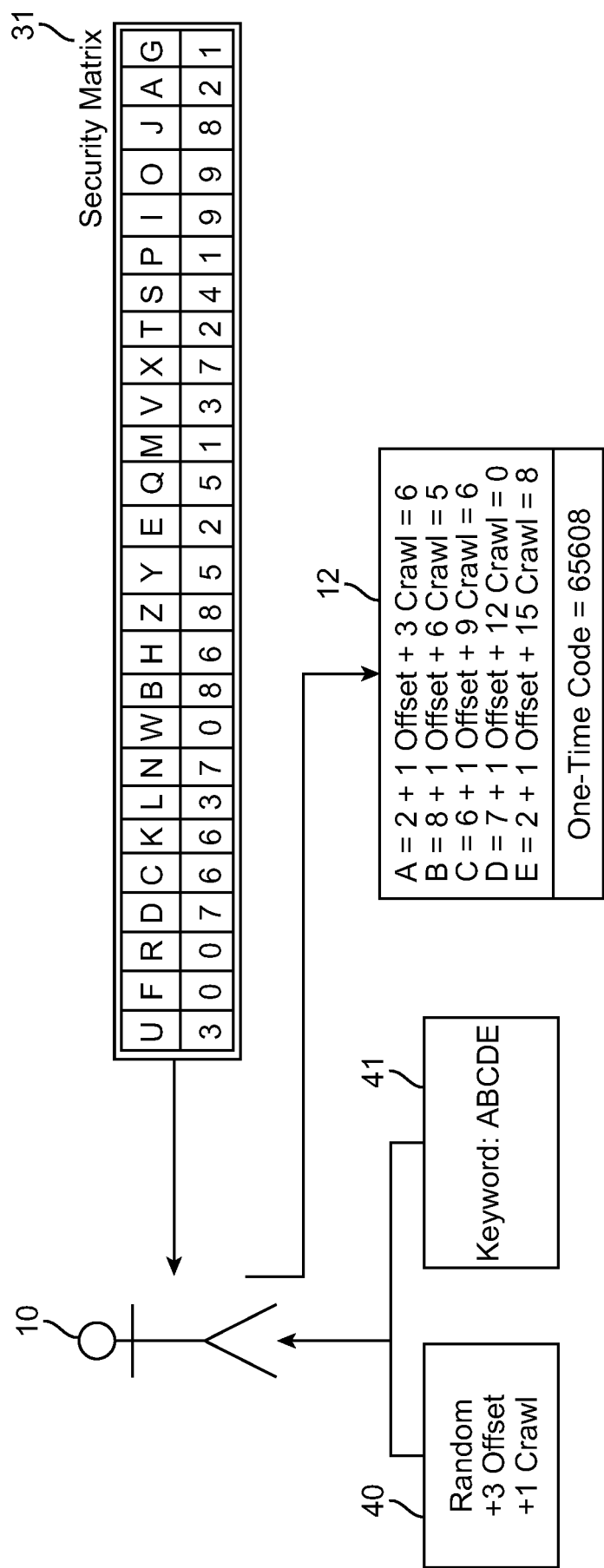


FIG. 4

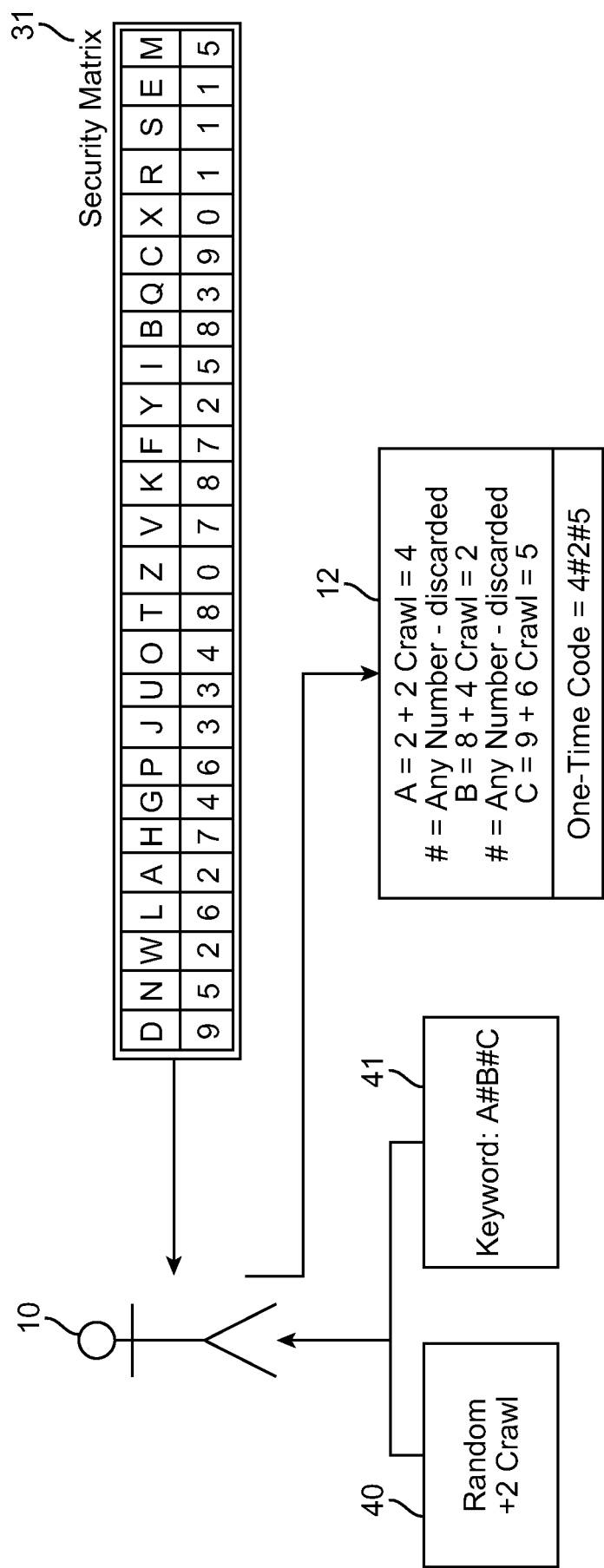


FIG. 5

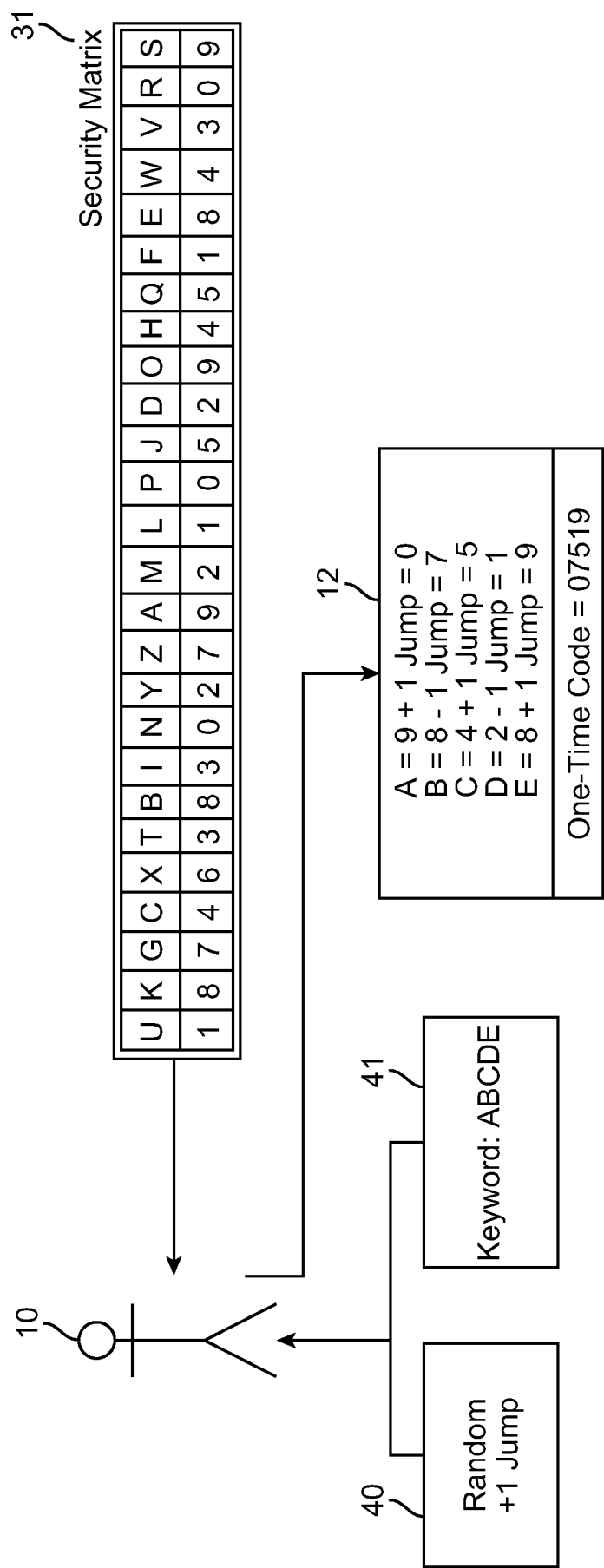


FIG. 6

7 / 16

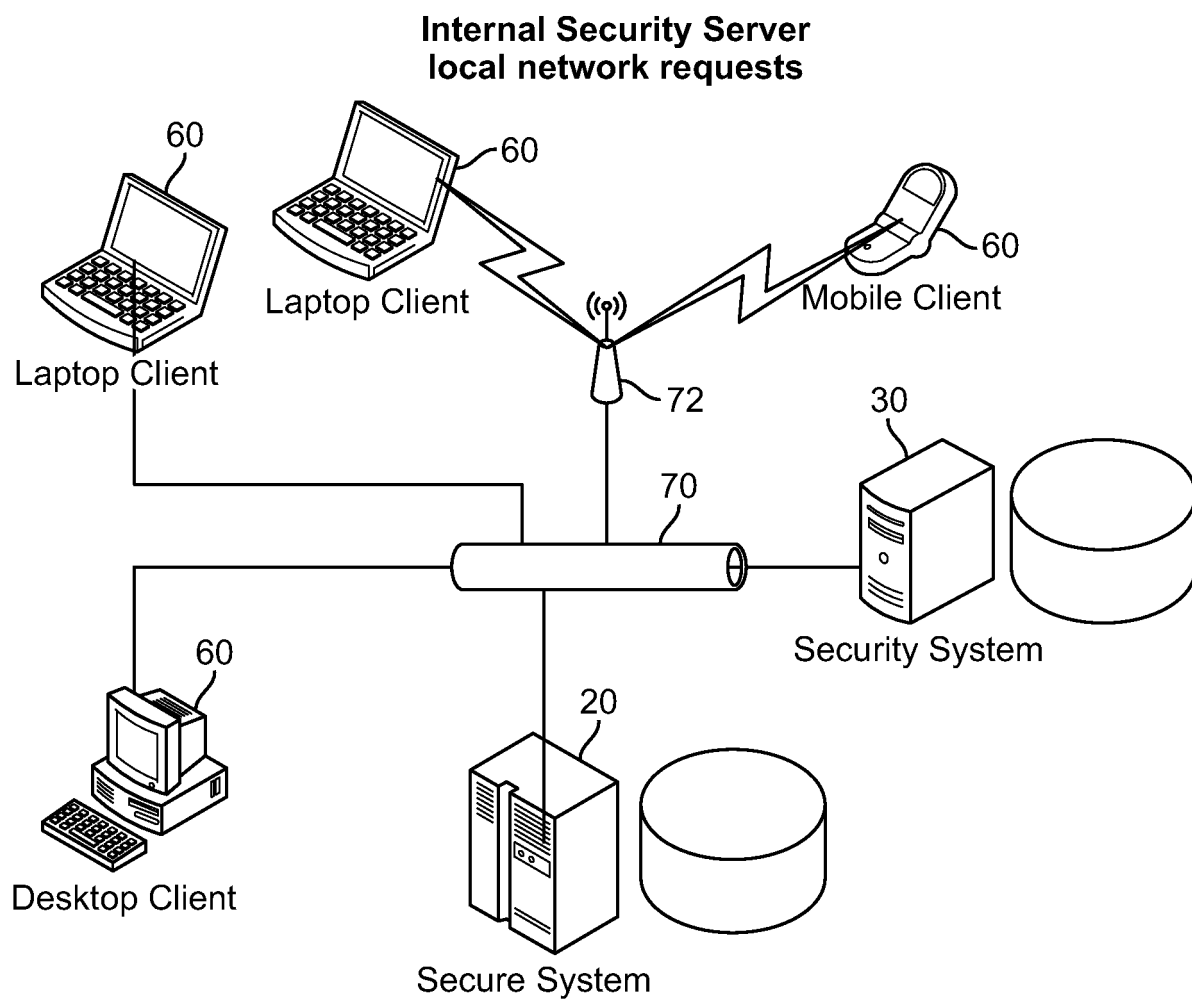


FIG. 7A

Email

Email

las@platez.net

Email

las@platez.net

abcdefghijklmnopqrstuvwxyz
03146103189427
opqrstuvwxyz
952840235676

Password

Login

FIG. 7B

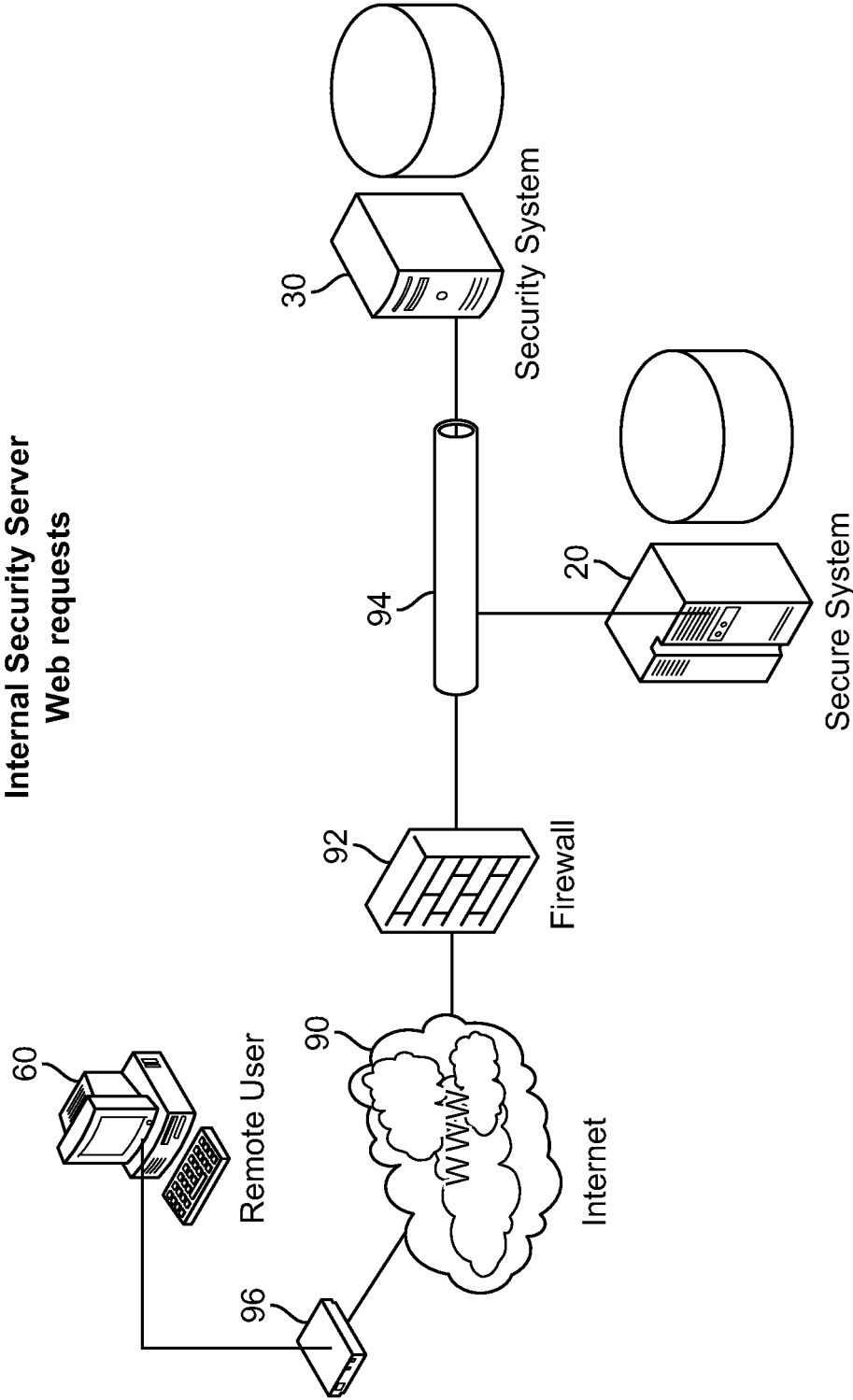


FIG. 8

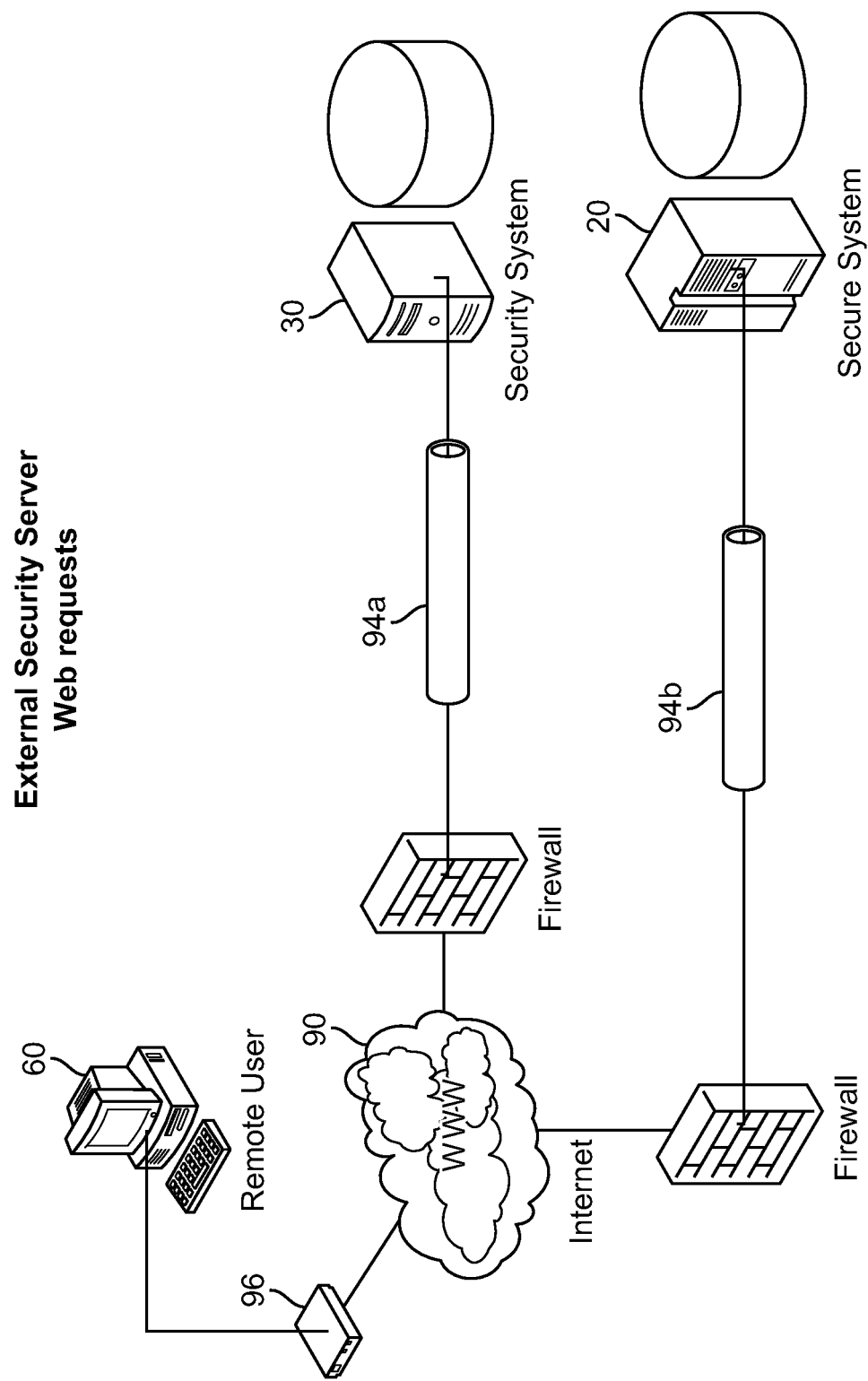


FIG. 9

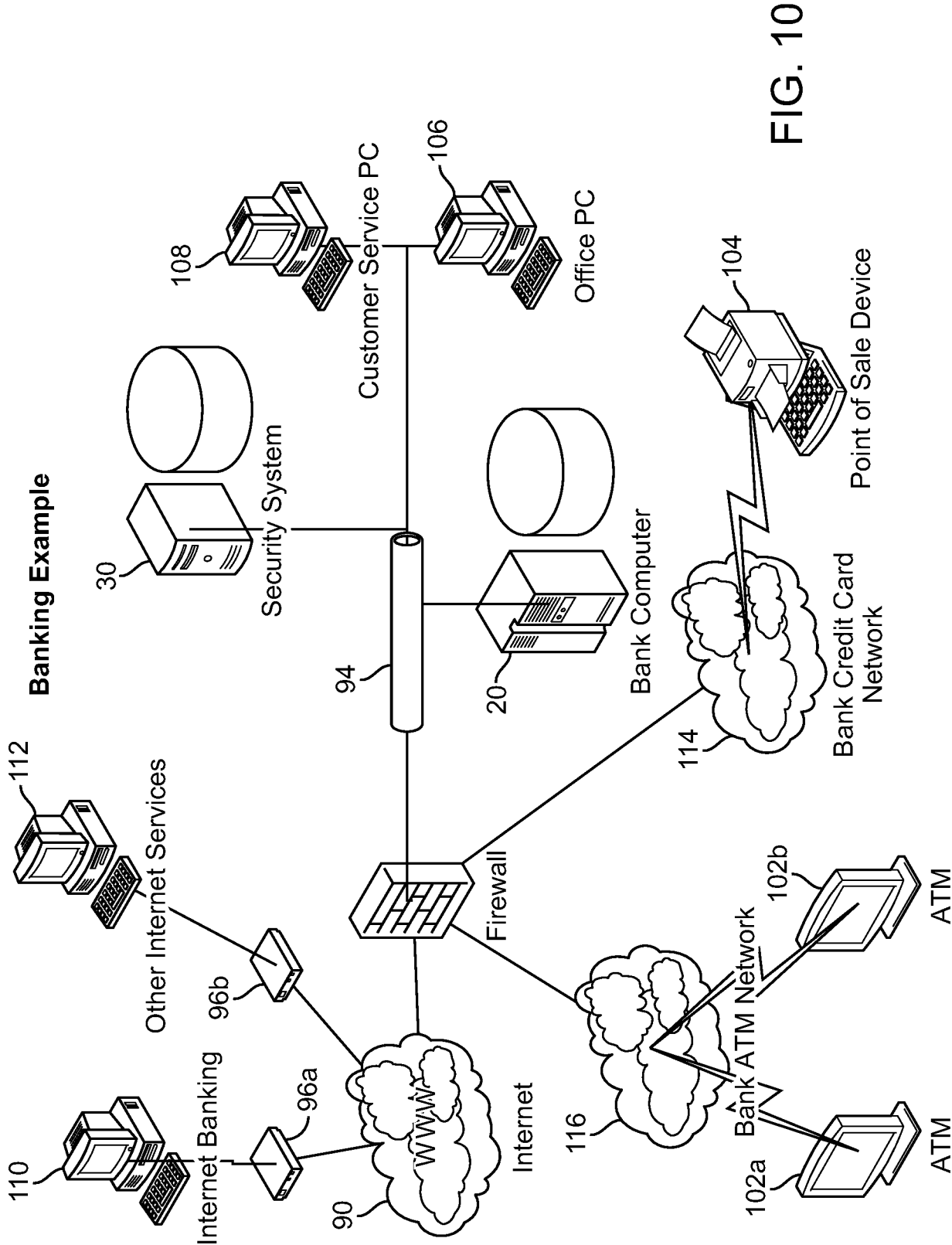


FIG. 10

Authentication Request 11
Unique User ID
ID of the system requesting the authentication
One-Time Code 12
Unique User ID
ID of the system requesting the validation
One-Time Code as entered by the end user
Security Matrix 31
Collection of Key/Value pairs composed according to the Secure System Preferences 50
Authentication Result 32
Session ID, OK, or Error
Success Message 33
Unique User ID
ID of the system validated against
Session ID

Table 1

FIG. 11

Segment	Option	Description
Order	Linear abstraction	Key letters presented in a linear order of A to Z, 0 to 9
Order	Random abstraction	Key letters presented in a randomised order
Offset	Positive offset	Amount to be added to each Value associated to the Key. Numbers wrap such that $9+1 = 0$ and Letters wrap such that $Z+1 = A$, i.e. $+1$
Offset	Negative offset	Amount to be subtracted from each Value associated to the Key. Numbers wrap such that $0-1 = 9$ and Letters wrap such that $A-1 = Z$, i.e. -1
Crawl	Positive increment	Amount added to each Value associated to the Key and then incremented. Numbers wrap such that $9+1 = 0$ and Letters wrap such that $Z+1 = A$, i.e. $+1$ (causing the sequence 0, 1, 2, 3, 4, 5, 6 to be added incrementally)
Crawl	Negative increment	Amount subtracted from each Value associated to the Key and then decremented. Numbers wrap such that $0-1 = 9$ and Letters wrap such that $A-1 = Z$, i.e. -2 (causing the sequence 0, -2, -4, -6, -8 to be subtracted incrementally)
Jump	Odd	Amount is added to every Value located at an odd index of the keyword and subtracted from every Value located at an even index of the keyword
Jump	Even	Amount is subtracted from every Value located at an odd index of the keyword and added to every Value located at an even index of the keyword
Mask	As defined	A Mask is a template extension to the keyword, such that a placeholder is defined at certain indexes of the keyword. The placeholder can be any number/letter/symbol and is not affected by any other option. Additionally, the # symbol represents a wildcard match, allowing the user to define a keyword that appears longer than it really is.
Randomizer	Single	User chooses a Single Key from the Key Scope whose associated value is then used to modify each individual Value in the keyword. For example, FRED = 6152 is the keyword, P = 3 is the chosen Randomizer Single Key, so the one time code is 9485, assuming no other modifier is applied.
Randomizer	Key	User chooses a Second full Key having the same length as the keyword, each Token in this Randomizer Key is used to modify each associated Value in the keyword. For example, FRED = 6152 is the keyword, JOHN = 1493 is the Randomizer Key, so the one time code is 7545, assuming no other modifier is applied.

Table 3

FIG. 12

Segment	Option	Description
Return Format	XML	Security Matrix is returned as an XML structure
Return Format	HTML	Security Matrix is returned as a preformatted HTML inclusion
Return Format	Image	Security Matrix is returned as an image
Return Format	CSV	Security Matrix is returned as comma separated plain text
Key Scope	Set of A to Z, a to z, 0 to 9 symbols or images	Security System builds the Security Matrix KEYS using this selection of information. This information also determines the valid keyword composition.
Value Scope	Set of A to Z, a to z, 0 to 9 symbols or images	Security System builds the Security Matrix VALUES using this selection of information.

Table 4

FIG. 13

15 / 16

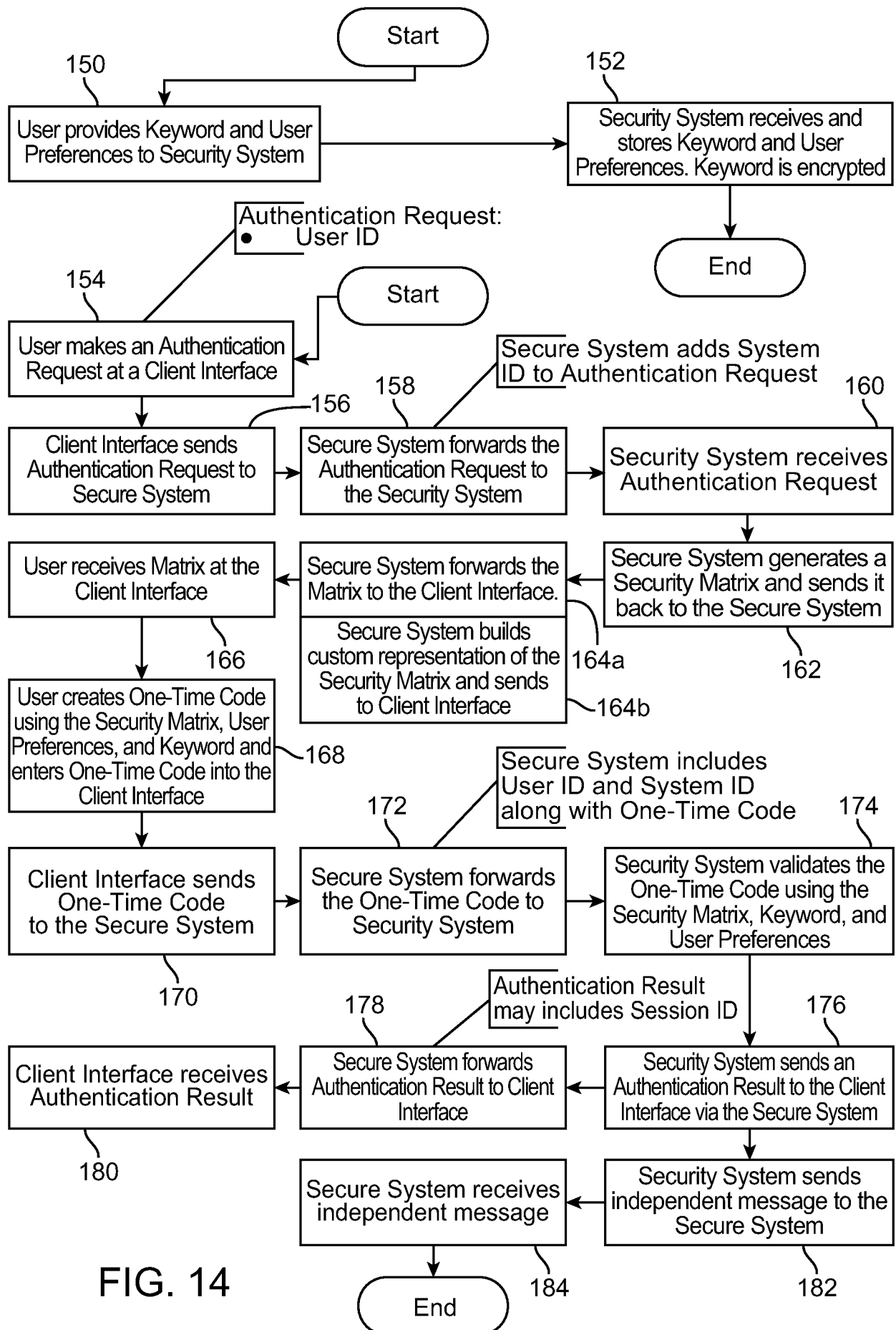


FIG. 14

16 / 16

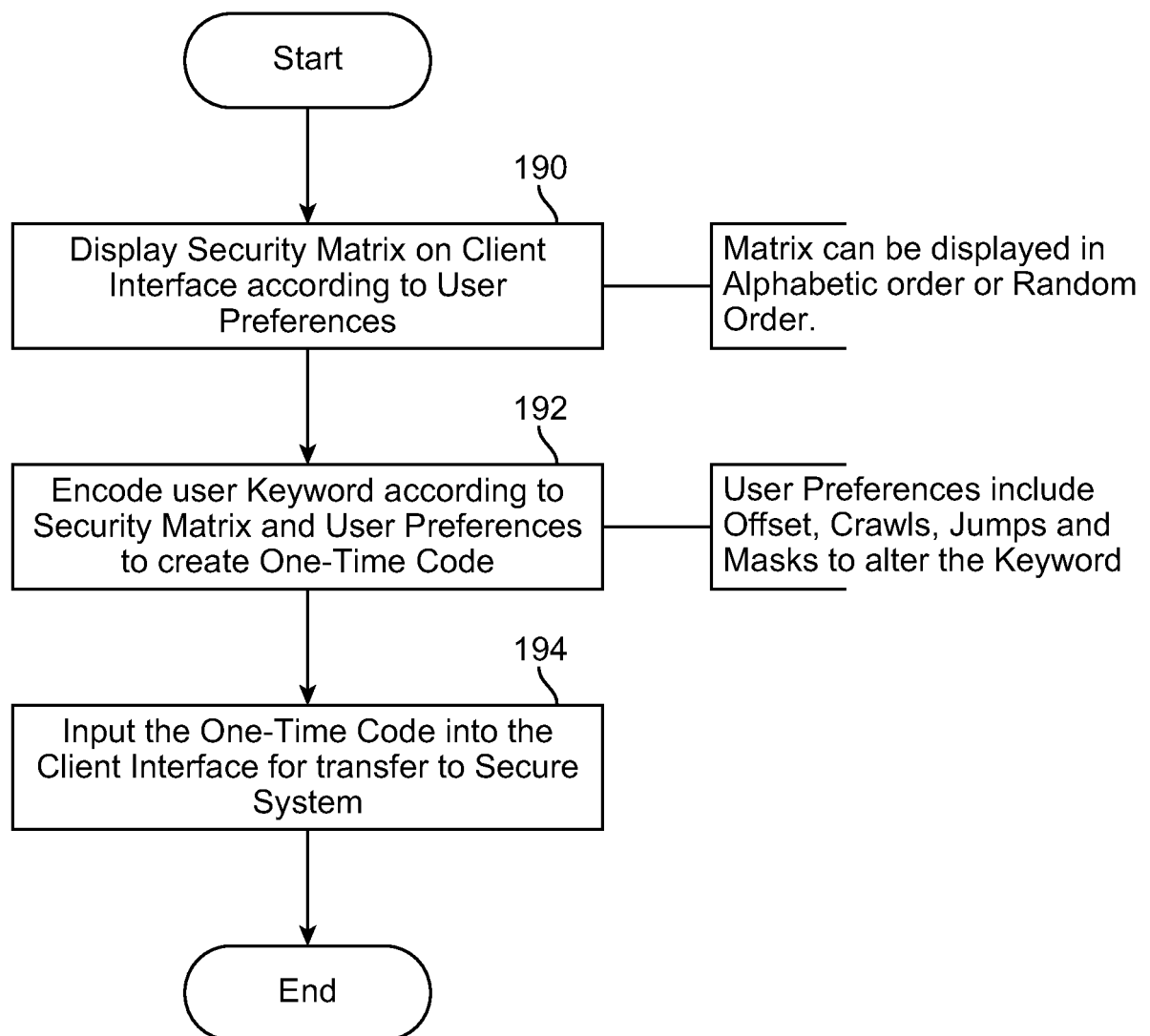


FIG. 15