Fig. 1 (a)

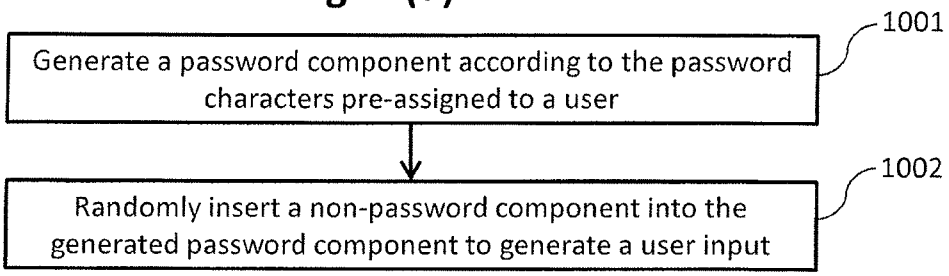


Fig. 1 (b)

A	B	2	C	2	A

Fig. 1 (c)

A	5	2	B	2	X	C	2	A

Fig. 1 (d)

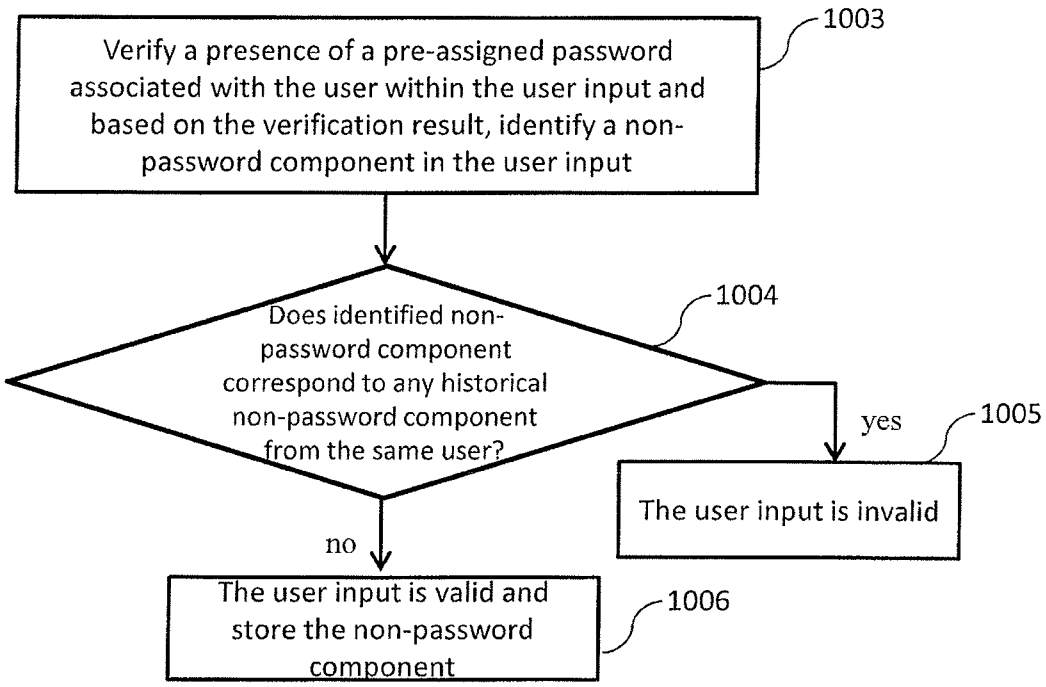


Fig. 2 (a)

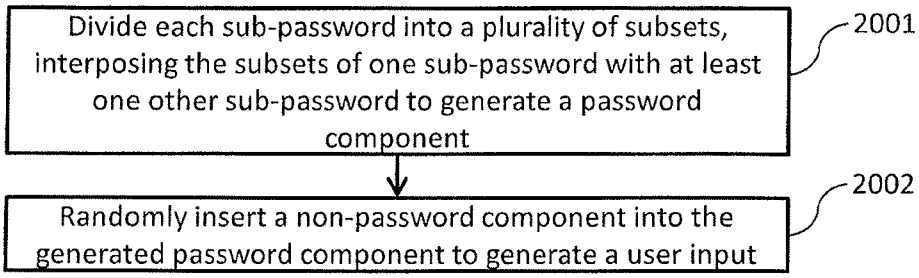


Fig. 2 (b)

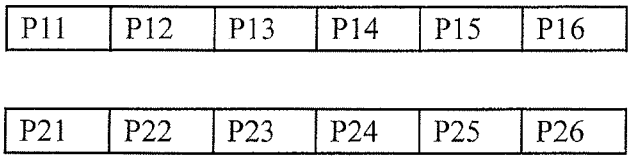


Fig. 2 (c)

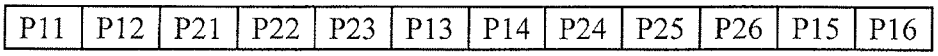


Fig. 2 (d)

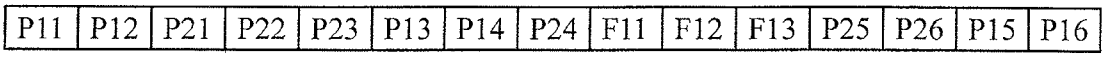


Fig. 2 (e)

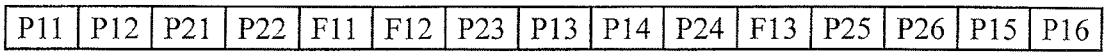
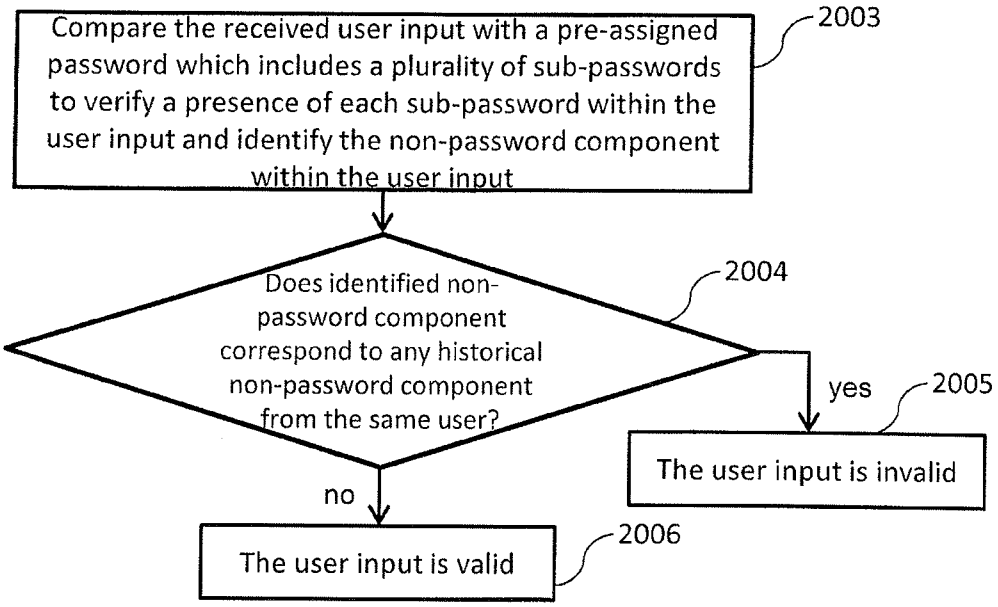


Fig. 2 (f)


Compare the received user input with a pre-assigned password which includes a plurality of sub-passwords to verify a presence of each sub-password within the user input and identify the non-password component within the user input
2003
Does identified non-password component correspond to any historical non-password component from the same user?
2004
yes
2005
The user input is invalid
no
The user input is valid
2006

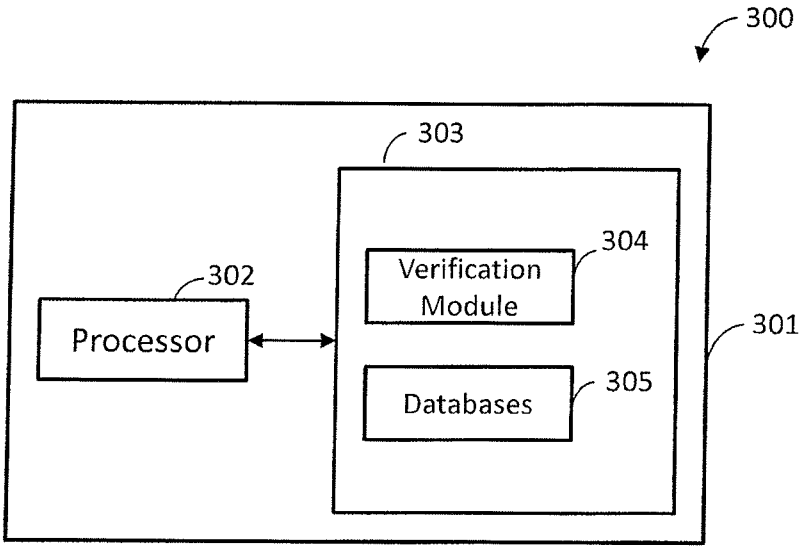

300
303
304
Verification Module
302
Processor
301
Databases
305

Fig. 3

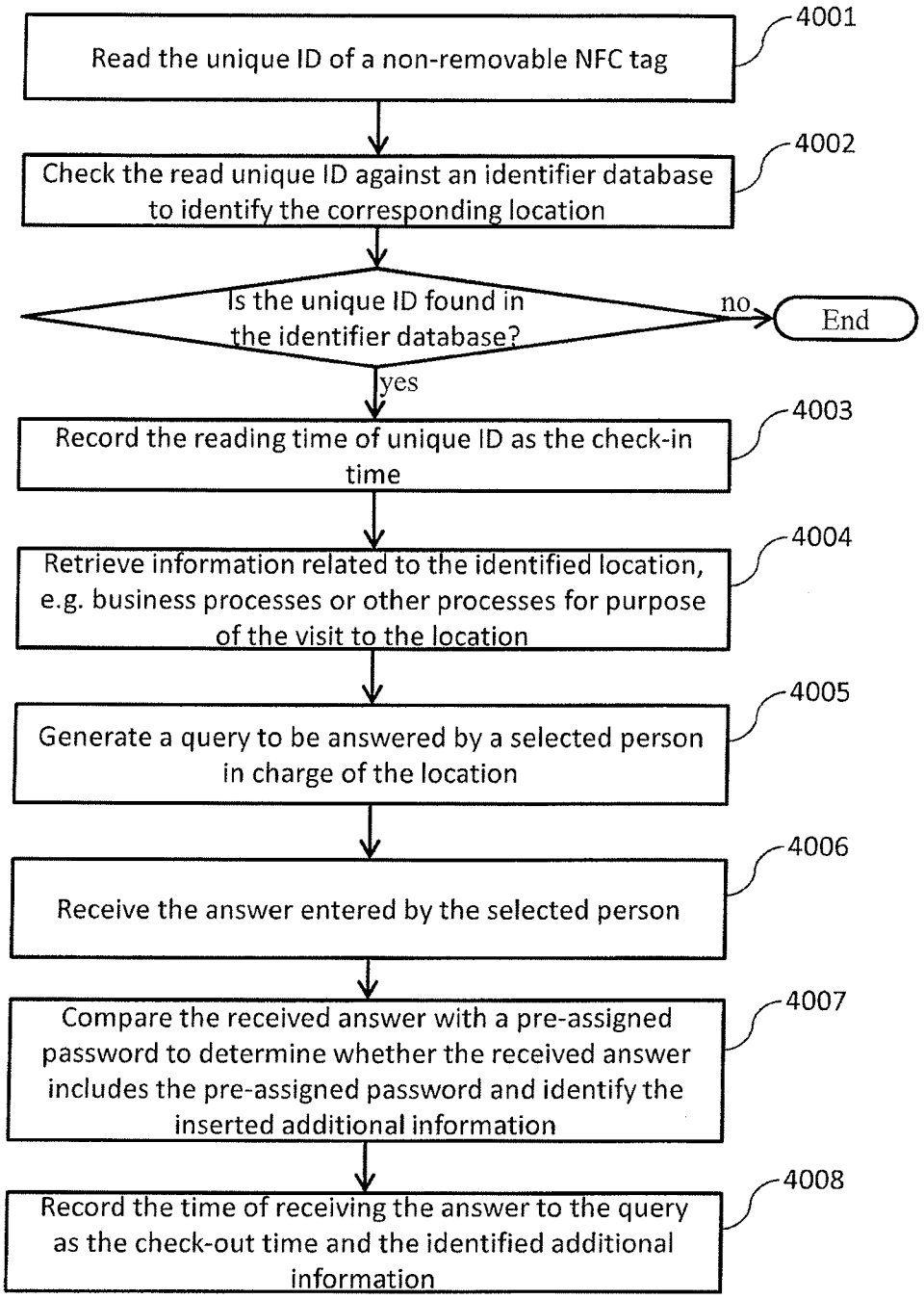

Read the unique ID of a non-removable NFC tag
4001
Check the read unique ID against an identifier database to identify the corresponding location
4002
Is the unique ID found in the identifier database?
no
End
yes
Record the reading time of unique ID as the check-in time
4003
Retrieve information related to the identified location, e.g. business processes or other processes for purpose of the visit to the location
4004
Generate a query to be answered by a selected person in charge of the location
4005
Receive the answer entered by the selected person
4006
Compare the received answer with a pre-assigned password to determine whether the received answer includes the pre-assigned password and identify the inserted additional information
4007
Record the time of receiving the answer to the query as the check-out time and the identified additional information
4008

Fig. 4

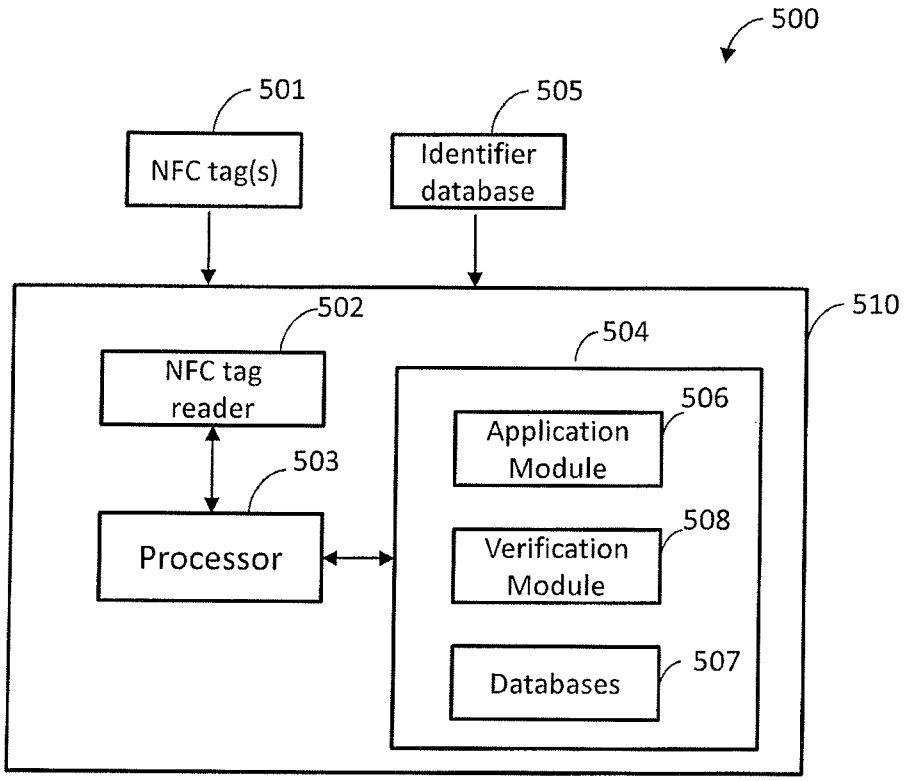

500
501
NFC tag(s)
505
Identifier database
510
502
NFC tag reader
504
506
Application Module
503
Processor
508
Verification Module
507
Databases

Fig. 5