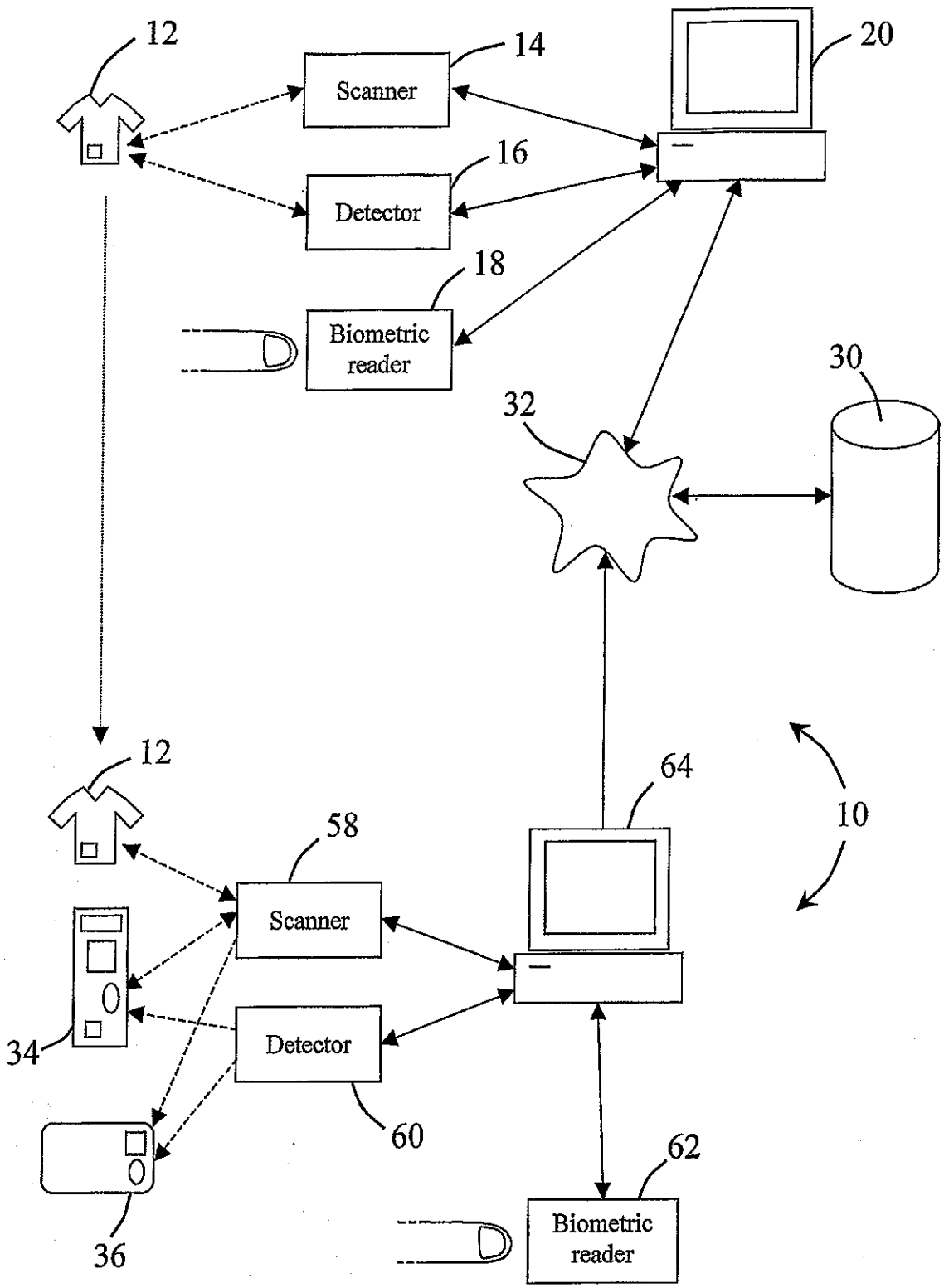

12
Scanner
14
20
16
Detector
18
Biometric reader
30
32
12
64
58
10
Scanner
34
Detector
60
62
36
Biometric reader

Fig. 1

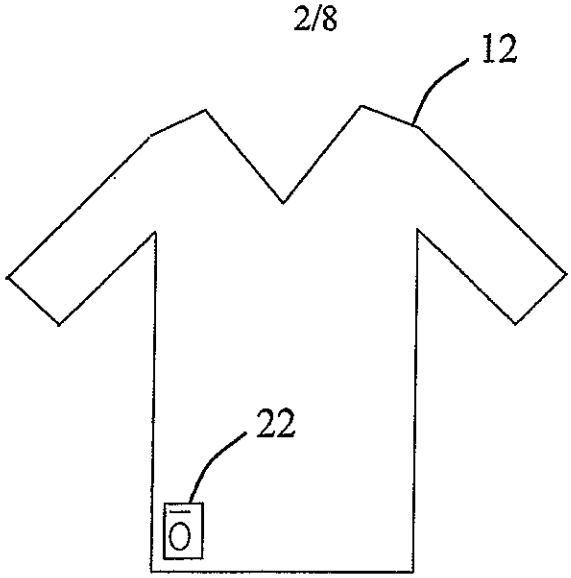


Fig. 2

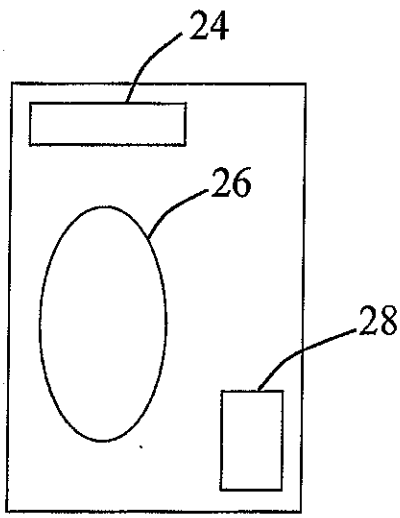


Fig. 3

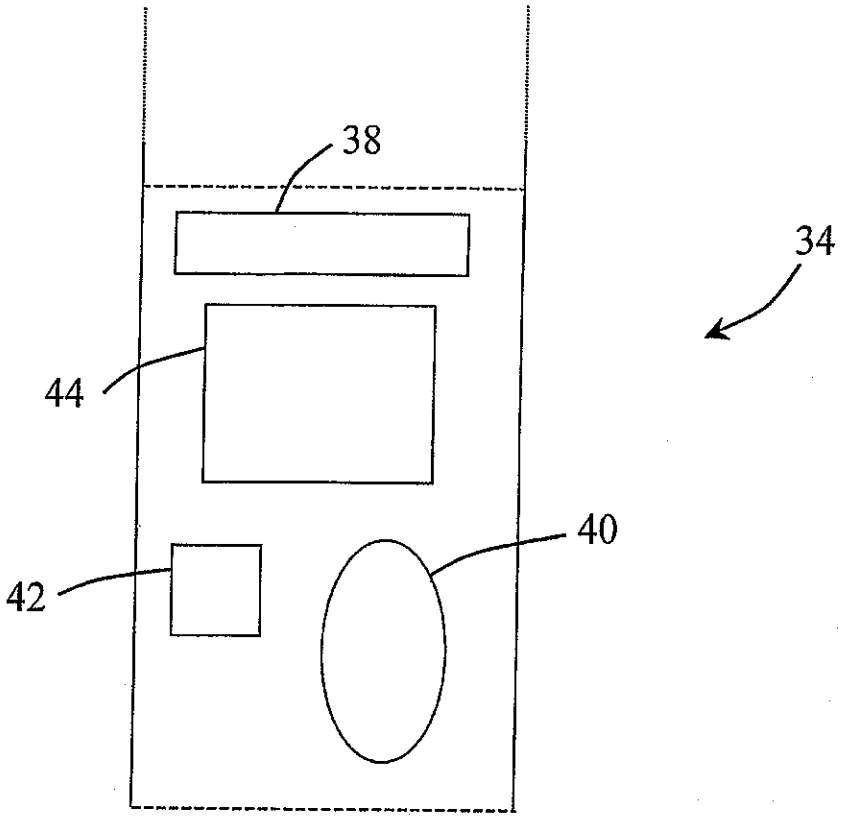


Fig. 4

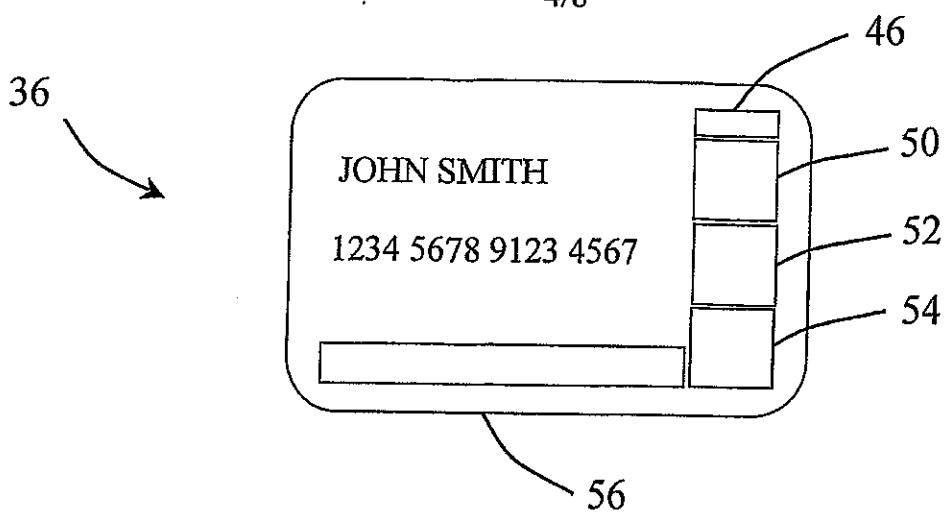


Fig. 5a

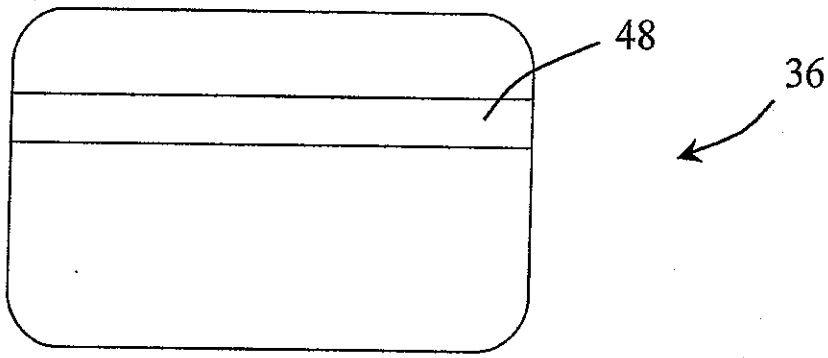


Fig. 5b

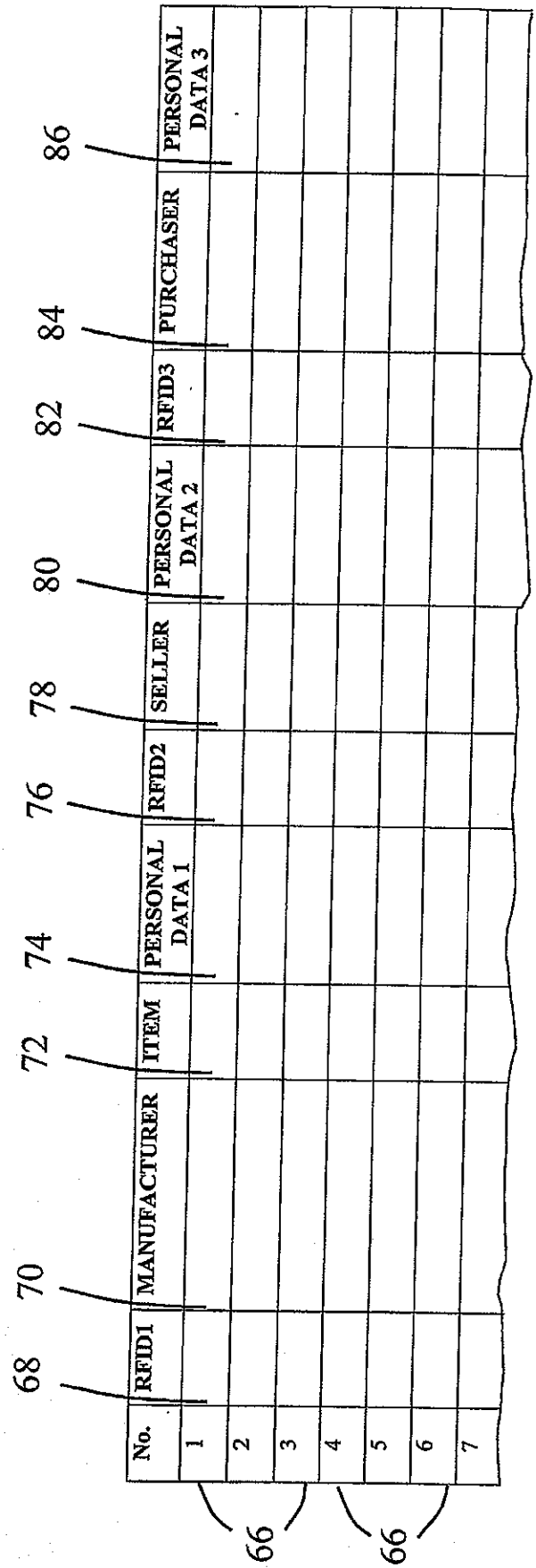

No.
RFID1
MANUFACTURER
ITEM
PERSONAL DATA 1
RFID2
SELLER
PERSONAL DATA 2
RFID3
PURCHASER
PERSONAL DATA 3
1
2
3
4
5
6
7
66
66
68
70
72
74
76
78
80
82
84
86

Fig. 6

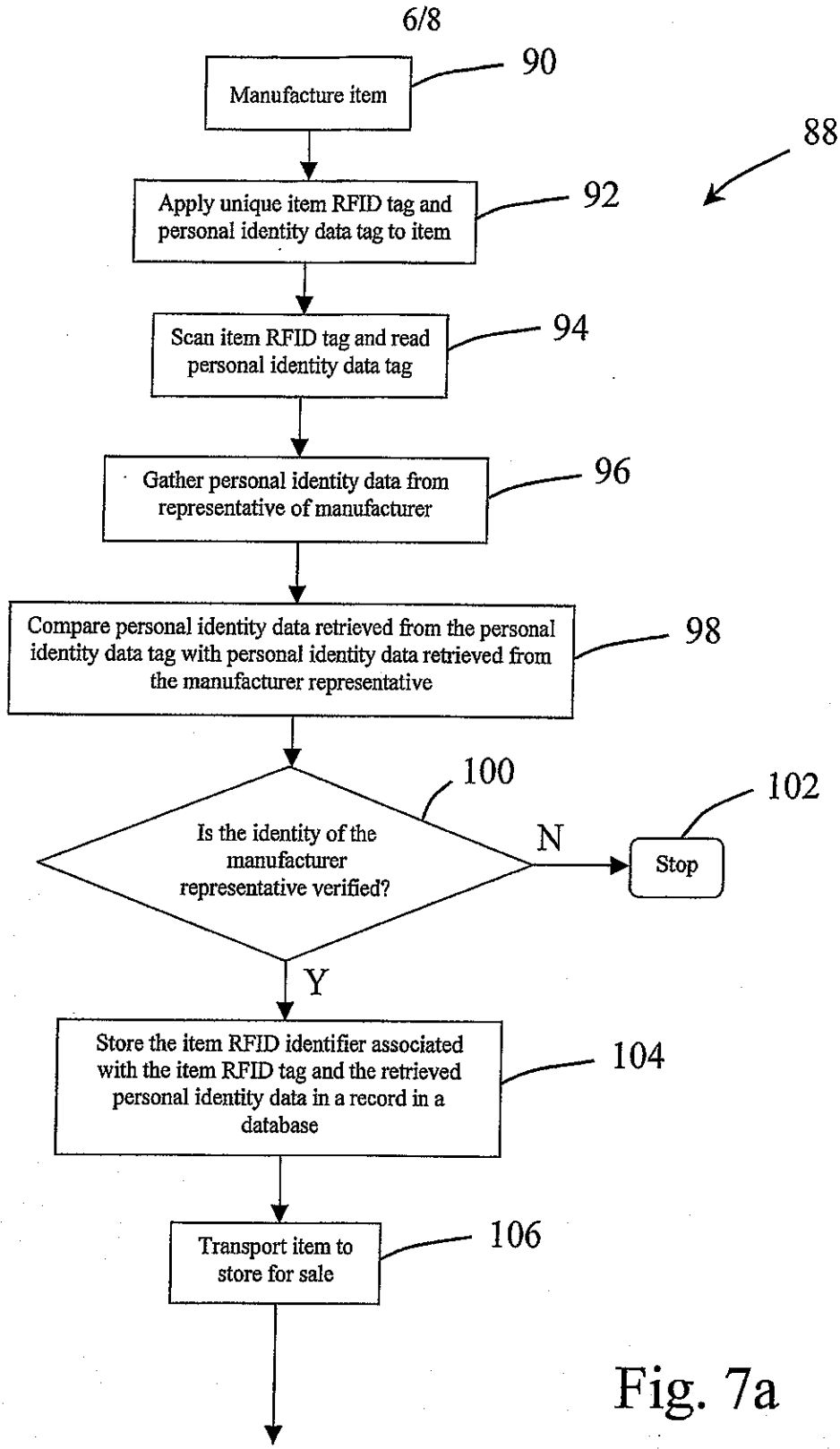

Manufacture item
90
88
Apply unique item RFID tag and personal identity data tag to item
92
Scan item RFID tag and read personal identity data tag
94
Gather personal identity data from representative of manufacturer
96
Compare personal identity data retrieved from the personal identity data tag with personal identity data retrieved from the manufacturer representative
98
Is the identity of the manufacturer representative verified?
100
N
Stop
102
Y
Store the item RFID identifier associated with the item RFID tag and the retrieved personal identity data in a record in a database
104
Transport item to store for sale
106

Fig. 7a

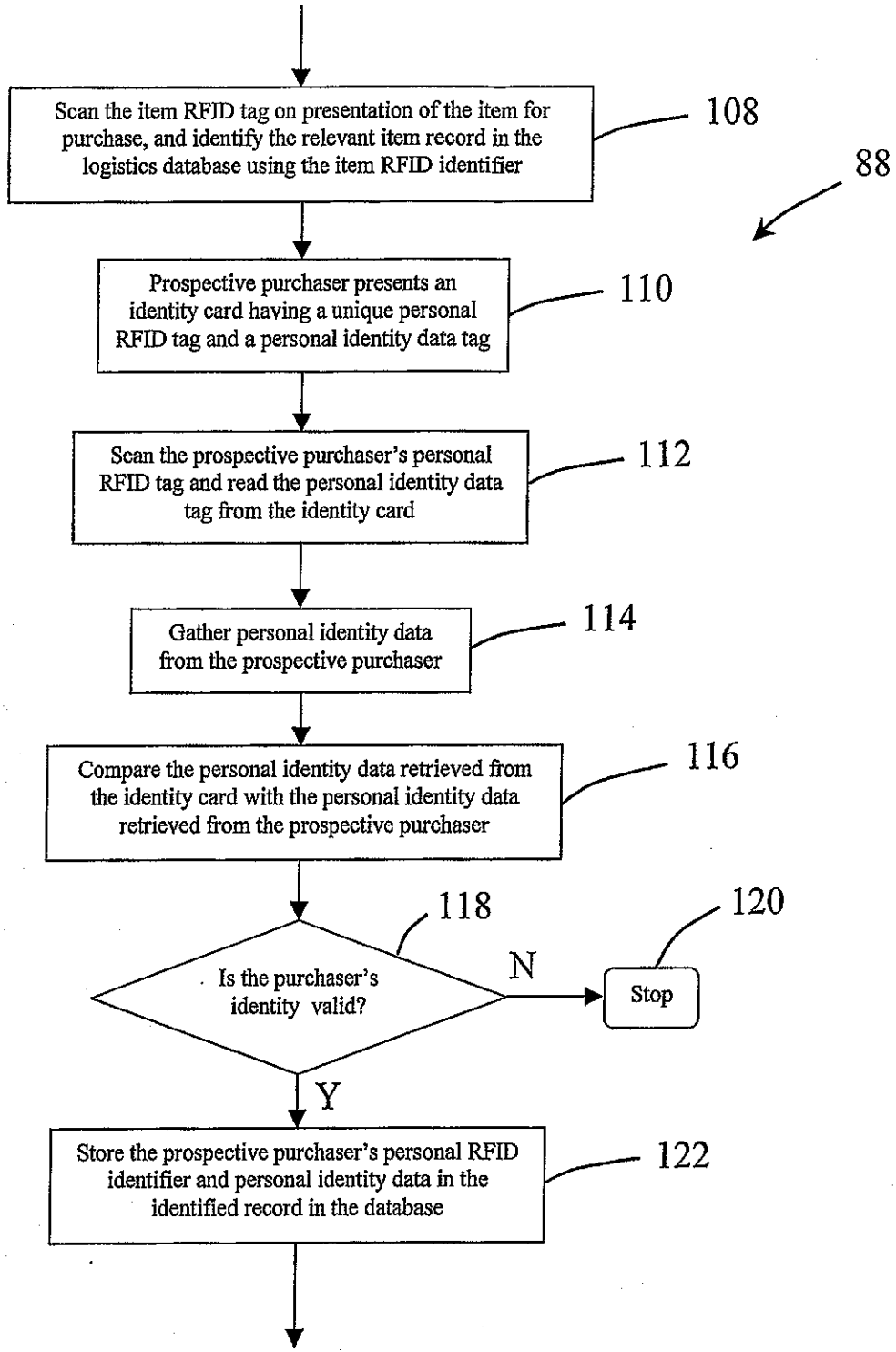

Scan the item RFID tag on presentation of the item for purchase, and identify the relevant item record in the logistics database using the item RFID identifier
108
88
Prospective purchaser presents an identity card having a unique personal RFID tag and a personal identity data tag
110
Scan the prospective purchaser's personal RFID tag and read the personal identity data tag from the identity card
112
Gather personal identity data from the prospective purchaser
114
Compare the personal identity data retrieved from the identity card with the personal identity data retrieved from the prospective purchaser
116
118
Is the purchaser's identity valid?
N
120
Stop
Y
Store the prospective purchaser's personal RFID identifier and personal identity data in the identified record in the database
122

Fig. 7b

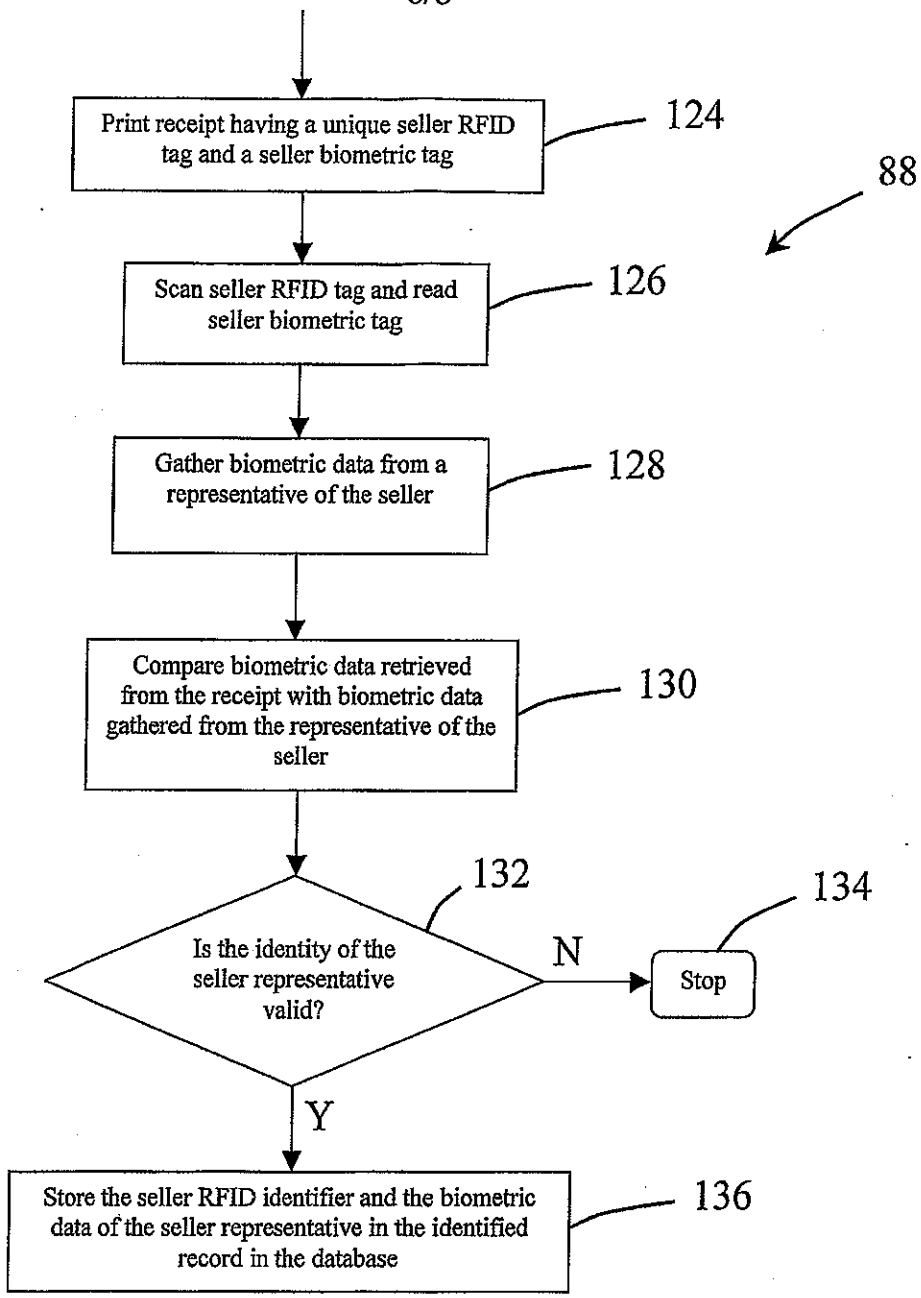

Print receipt having a unique seller RFID tag and a seller biometric tag
124
88
Scan seller RFID tag and read seller biometric tag
126
Gather biometric data from a representative of the seller
128
Compare biometric data retrieved from the receipt with biometric data gathered from the representative of the seller
130
132
Is the identity of the seller representative valid?
N
134
Stop
Y
Store the seller RFID identifier and the biometric data of the seller representative in the identified record in the database
136

Fig. 7c