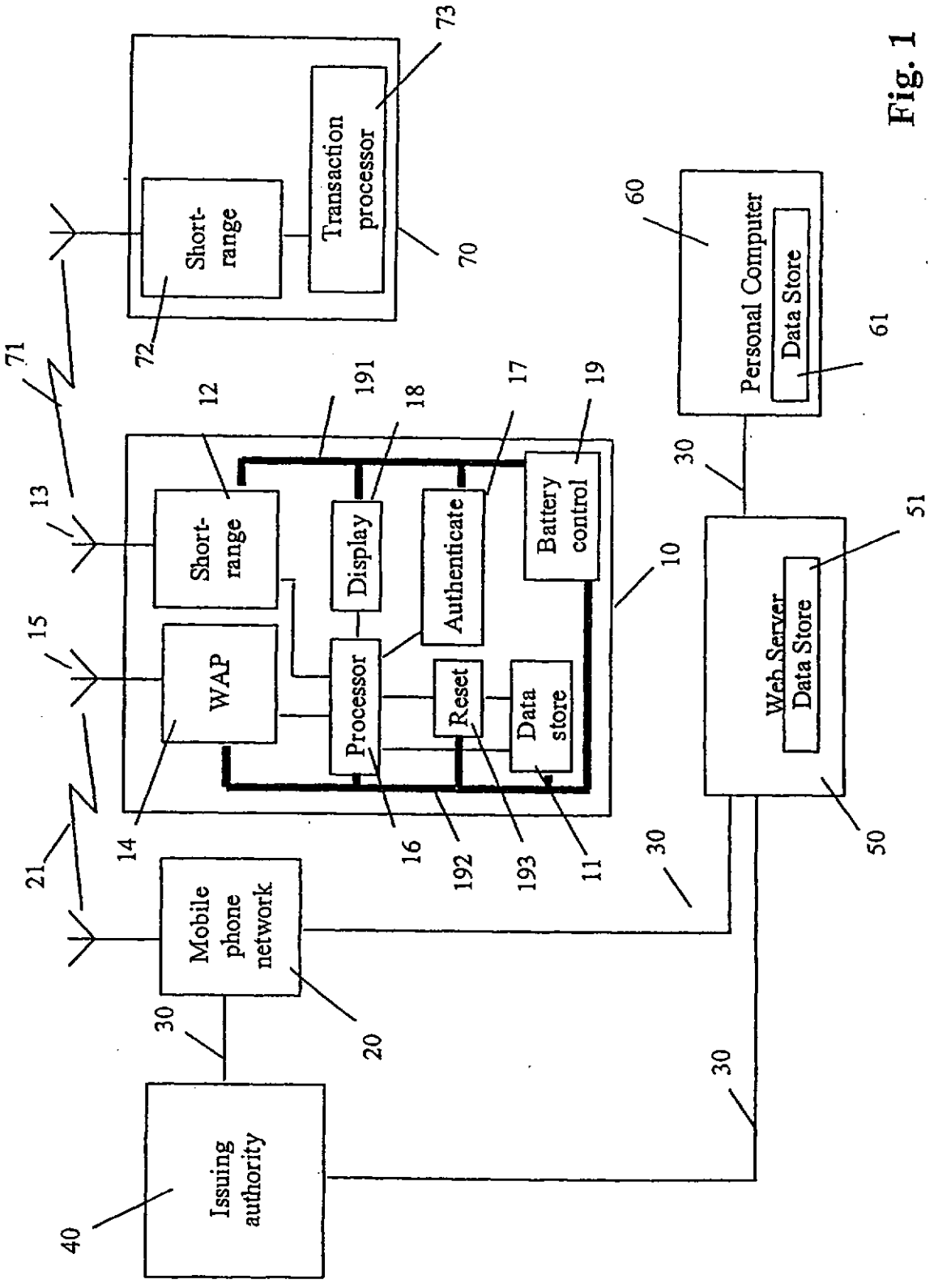

Short-range
Transaction processor
73
70
72
71
12
191
18
17
19
Short-range
Display
Authenticate
Battery control
13
10
15
WAP
Processor
Reset
Data store
14
16
192
193
11
21
Mobile phone network
20
30
Issuing authority
40
60
Personal Computer
Data Store
61
30
51
Web Server
Data Store
50
30
30

Fig. 1

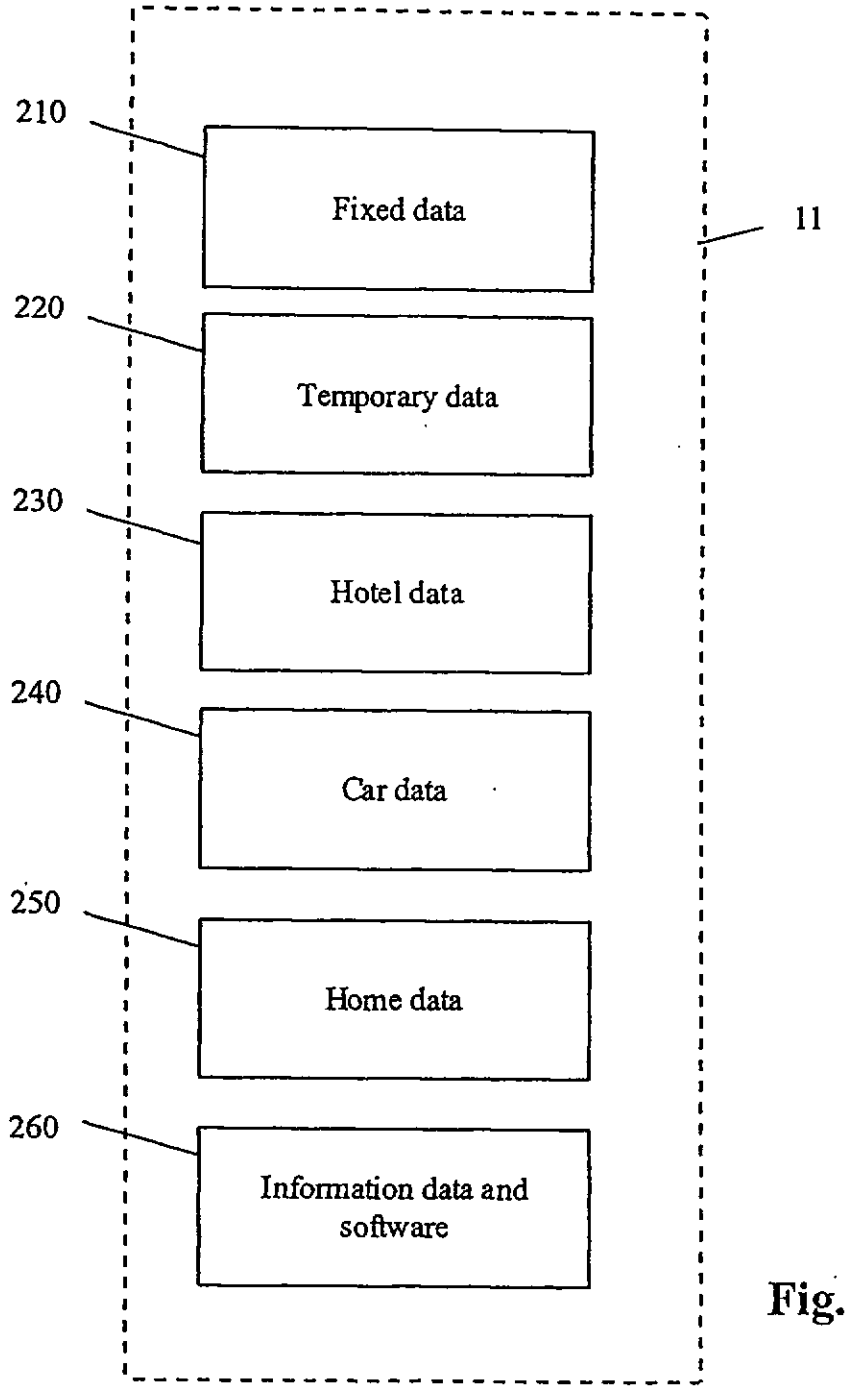

210
Fixed data
11
220
Temporary data
230
Hotel data
240
Car data
250
Home data
260
Information data and software

Fig. 2

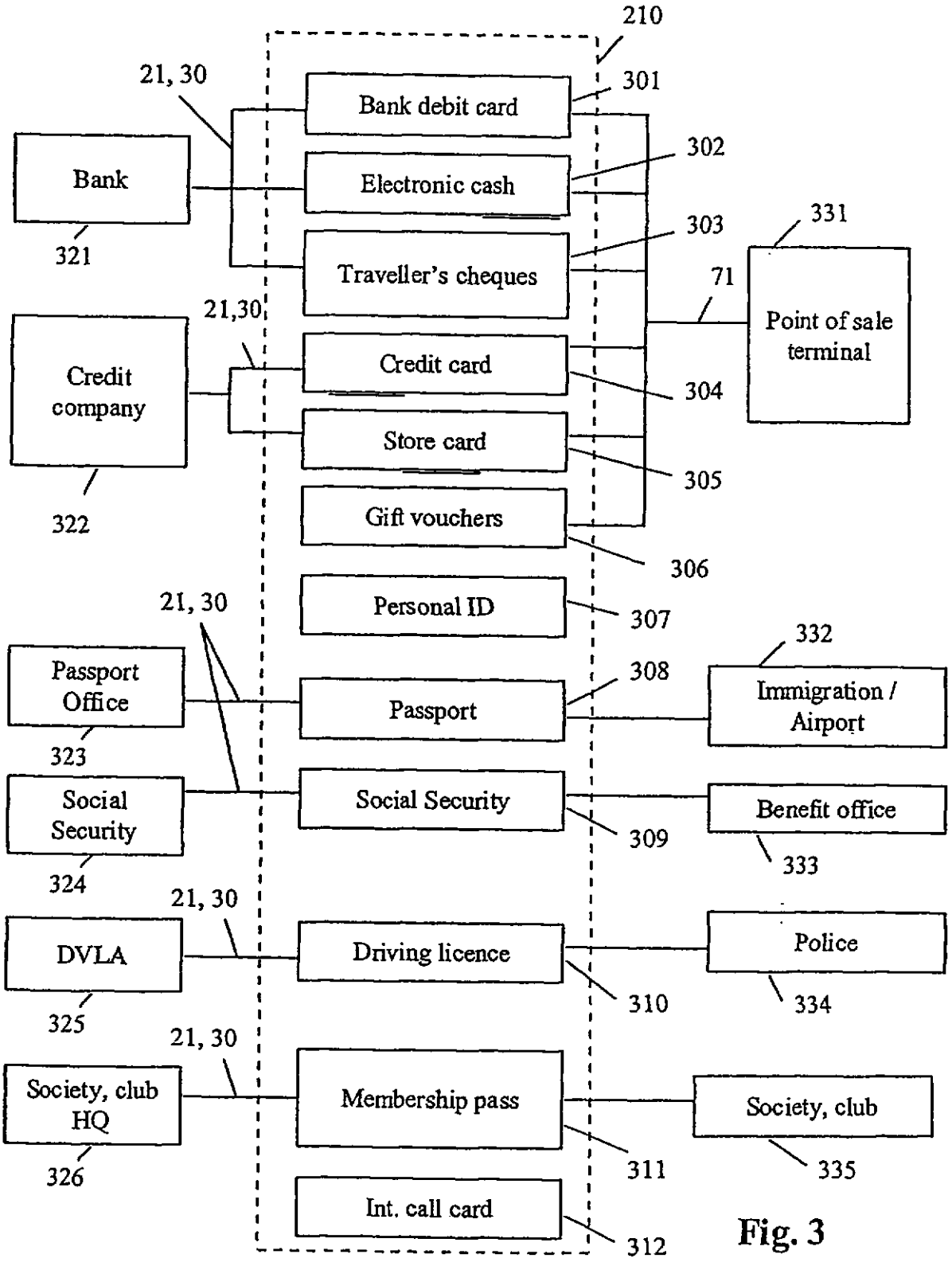

210
21, 30
Bank debit card
301
Bank
Electronic cash
302
321
Traveller's cheques
303
331
71
Point of sale terminal
21,30
Credit company
Credit card
304
Store card
305
322
Gift vouchers
306
Personal ID
307
21, 30
332
Passport Office
Passport
308
Immigration / Airport
323
Social Security
Social Security
Benefit office
309
324
333
21, 30
DVLA
Driving licence
Police
325
310
334
21, 30
Society, club HQ
Membership pass
Society, club
326
311
335
Int. call card
312

Fig. 3

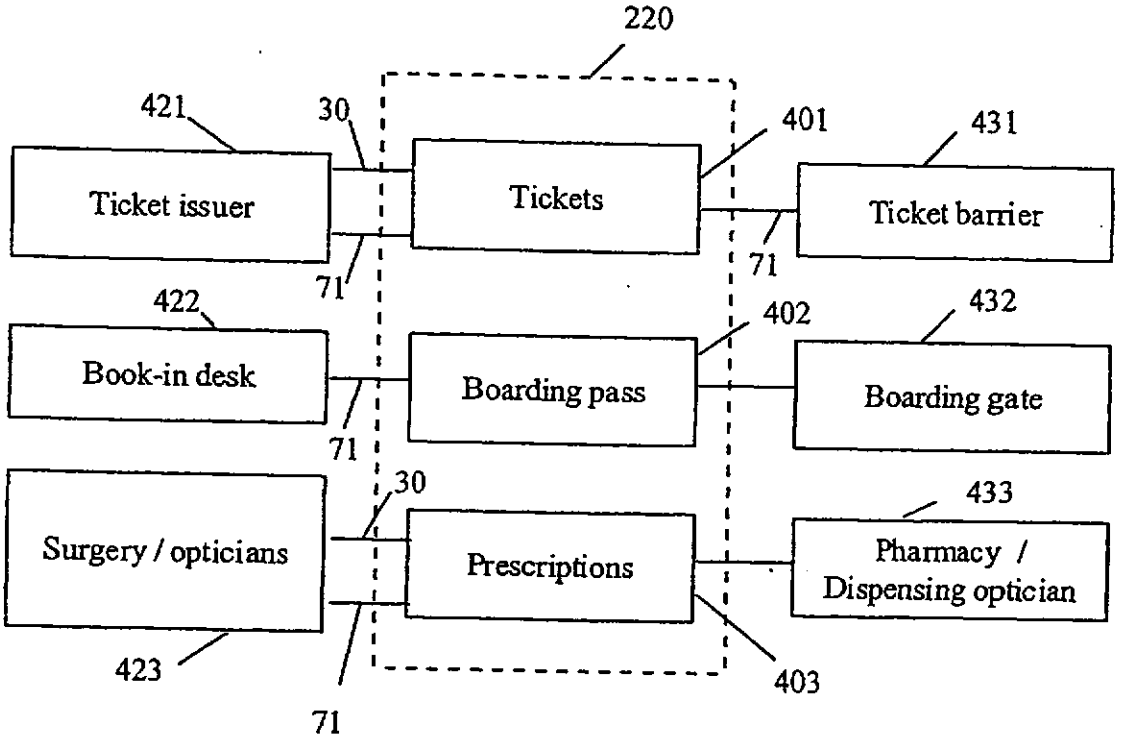

220
421
30
401
431
Ticket issuer
Tickets
Ticket barrier
71
71
422
402
432
Book-in desk
Boarding pass
Boarding gate
71
30
433
Surgery / opticians
Prescriptions
Pharmacy / Dispensing optician
423
403
71

Fig. 4

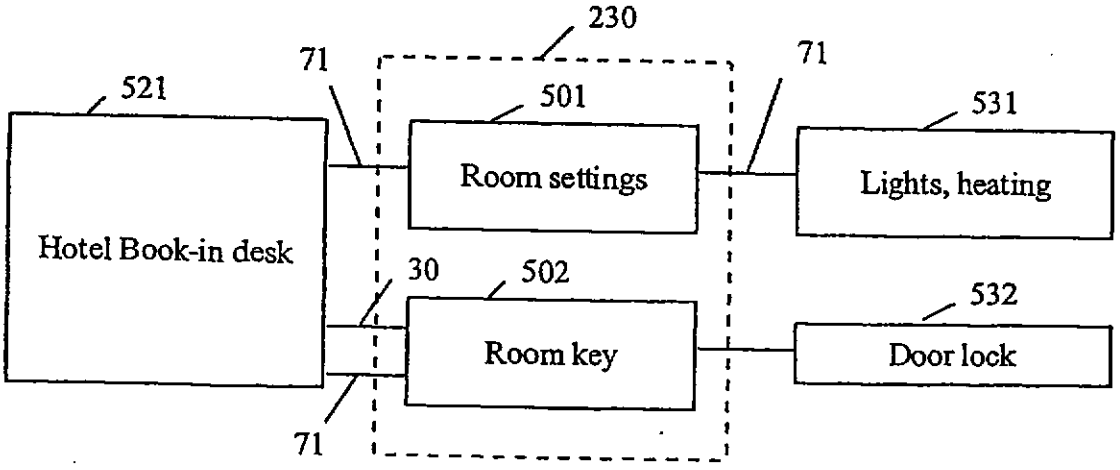

230
71
71
521
501
531
Hotel Book-in desk
Room settings
Lights, heating
30
502
532
Room key
Door lock
71

Fig. 5

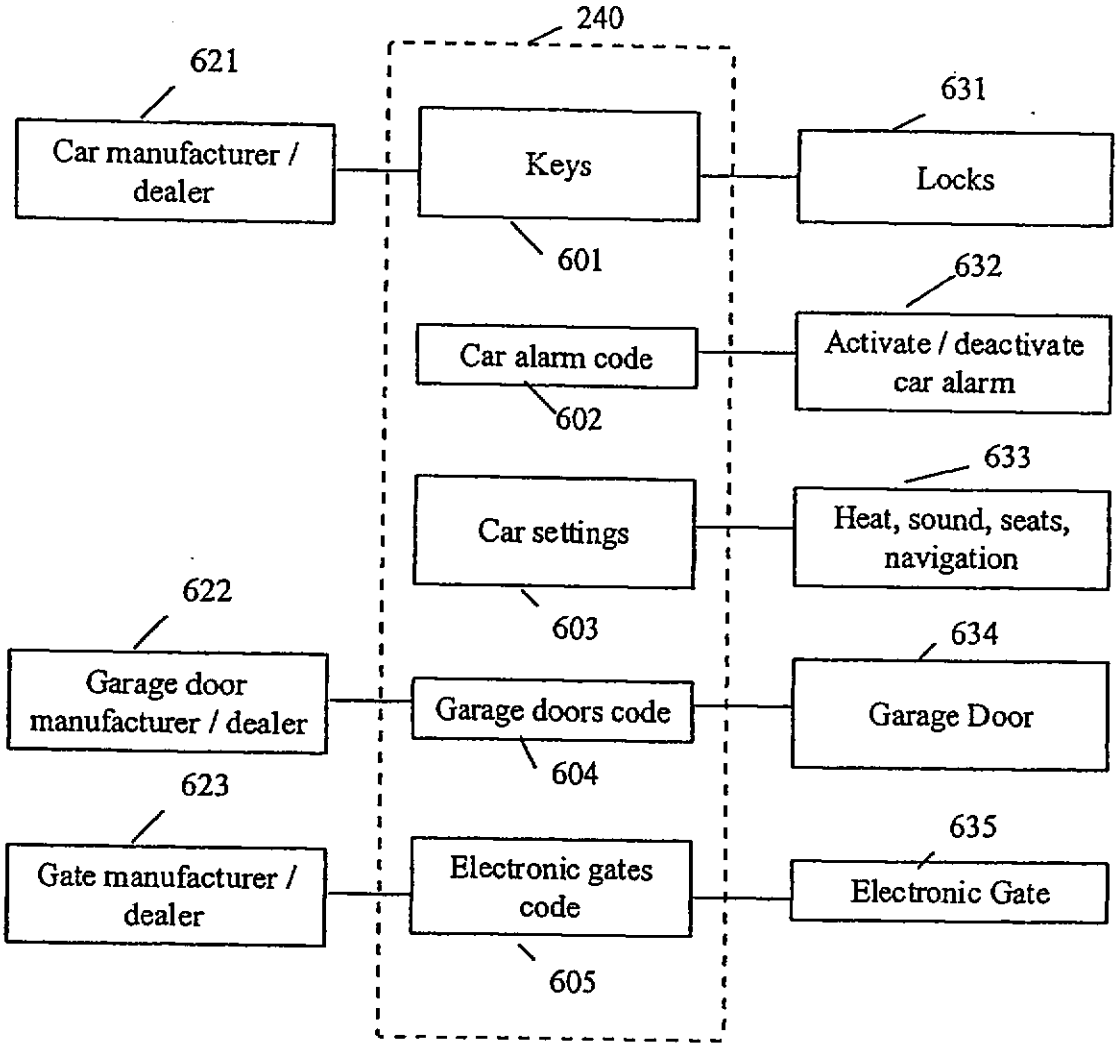

240
621
Car manufacturer / dealer
Keys
601
631
Locks
632
Activate / deactivate car alarm
Car alarm code
602
633
Heat, sound, seats, navigation
Car settings
603
622
Garage door manufacturer / dealer
Garage doors code
604
634
Garage Door
623
Gate manufacturer / dealer
Electronic gates code
605
635
Electronic Gate

Fig. 6

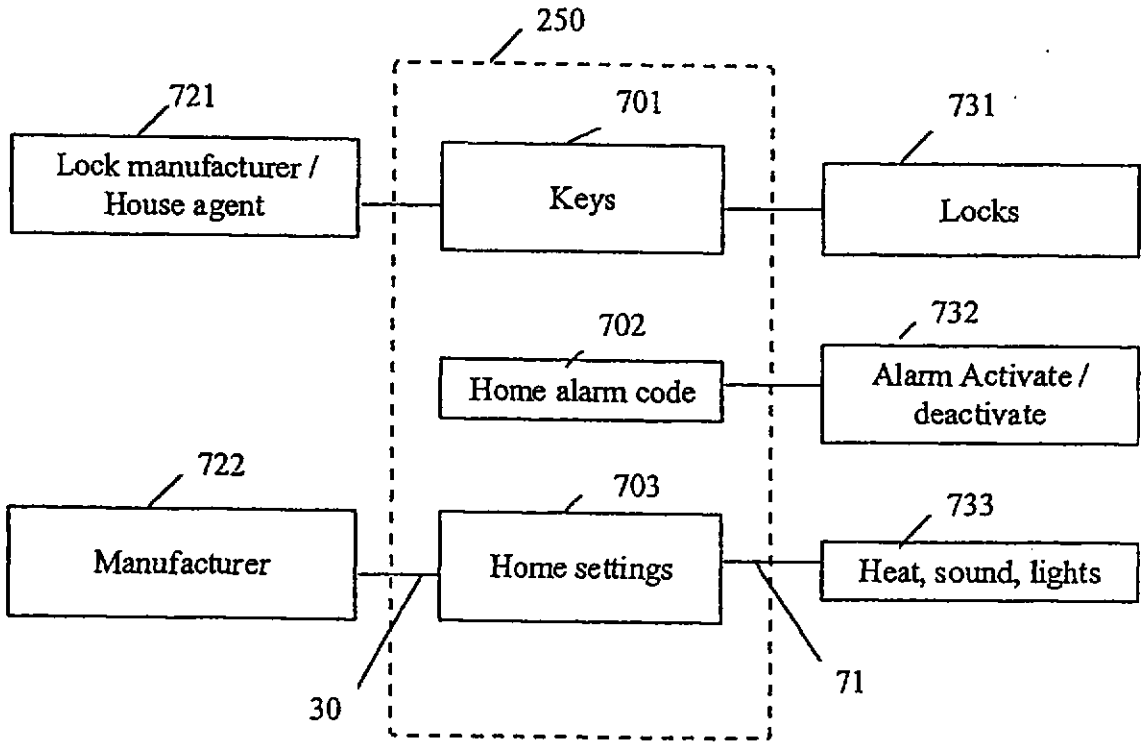

250
721
Lock manufacturer / House agent
701
Keys
731
Locks
702
Home alarm code
732
Alarm Activate / deactivate
722
Manufacturer
703
Home settings
733
Heat, sound, lights
30
71

Fig. 7

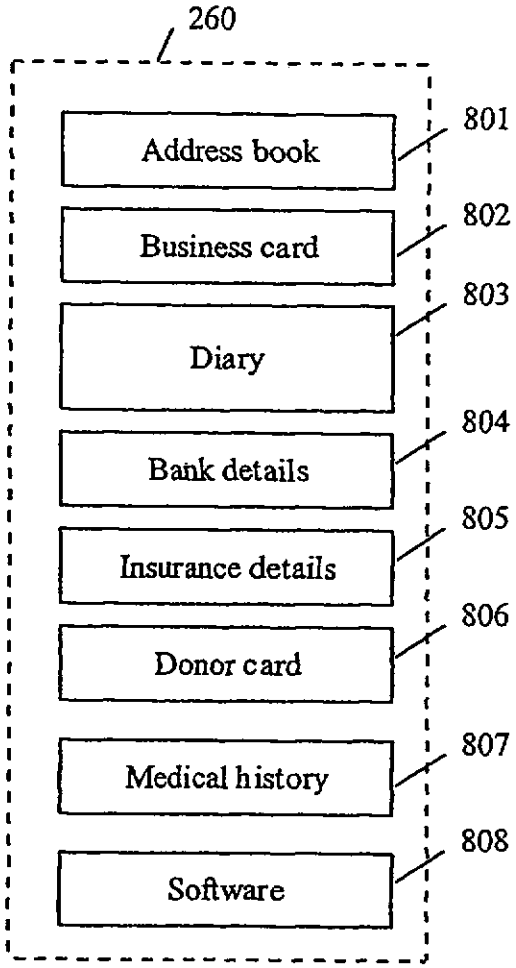

260
Address book
801
Business card
802
Diary
803
Bank details
804
Insurance details
805
Donor card
806
Medical history
807
Software
808

Fig. 8

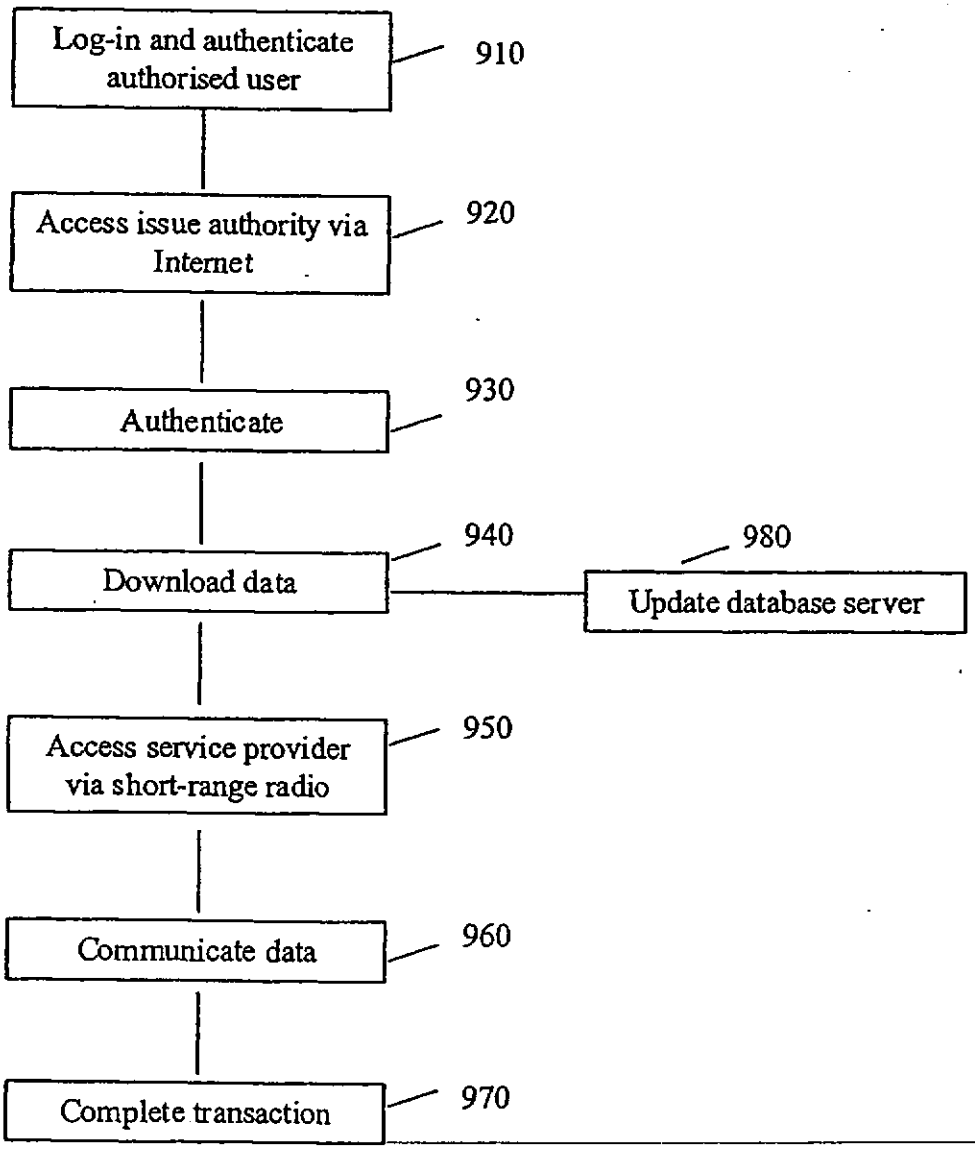
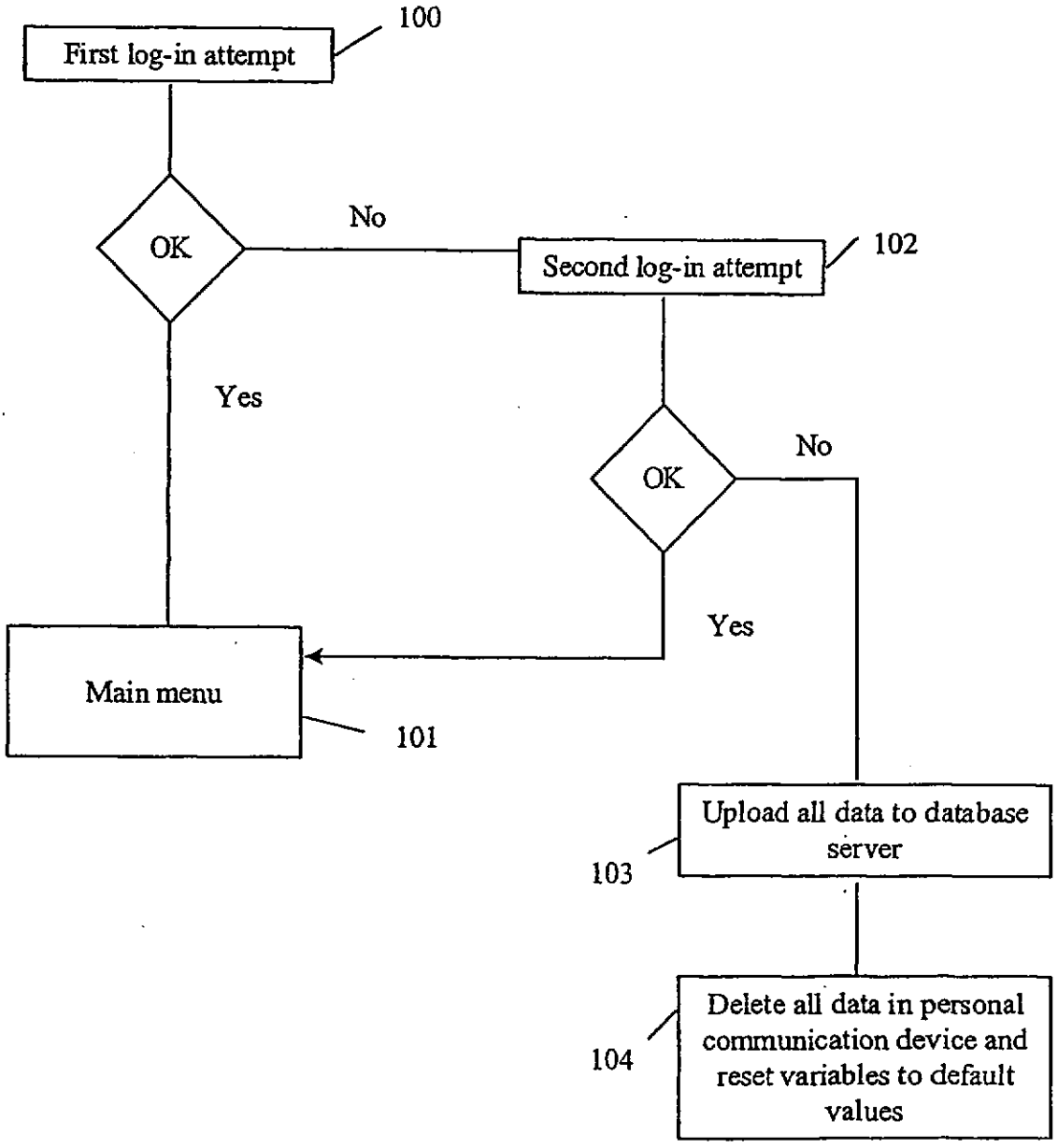

Log-in and authenticate authorised user
910
Access issue authority via Internet
920
Authenticate
930
Download data
940
980
Update database server
Access service provider via short-range radio
950
Communicate data
960
Complete transaction
970

Fig. 9

Fig. 10


First log-in attempt
100
OK
No
Second log-in attempt
102
Yes
OK
No
Yes
Main menu
101
Upload all data to database server
103
Delete all data in personal communication device and reset variables to default values
104

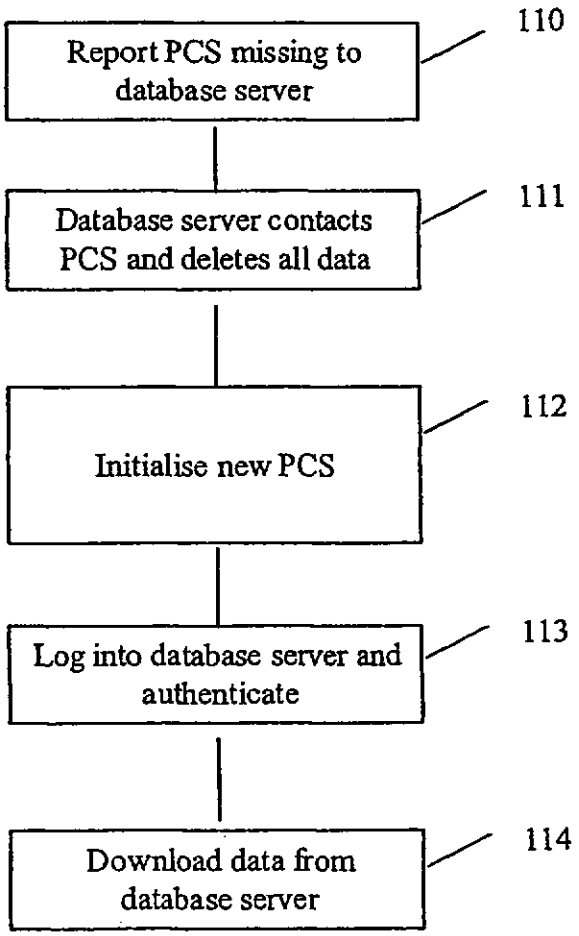

Report PCS missing to database server
110
Database server contacts PCS and deletes all data
111
Initialise new PCS
112
Log into database server and authenticate
113
Download data from database server
114

Fig. 11