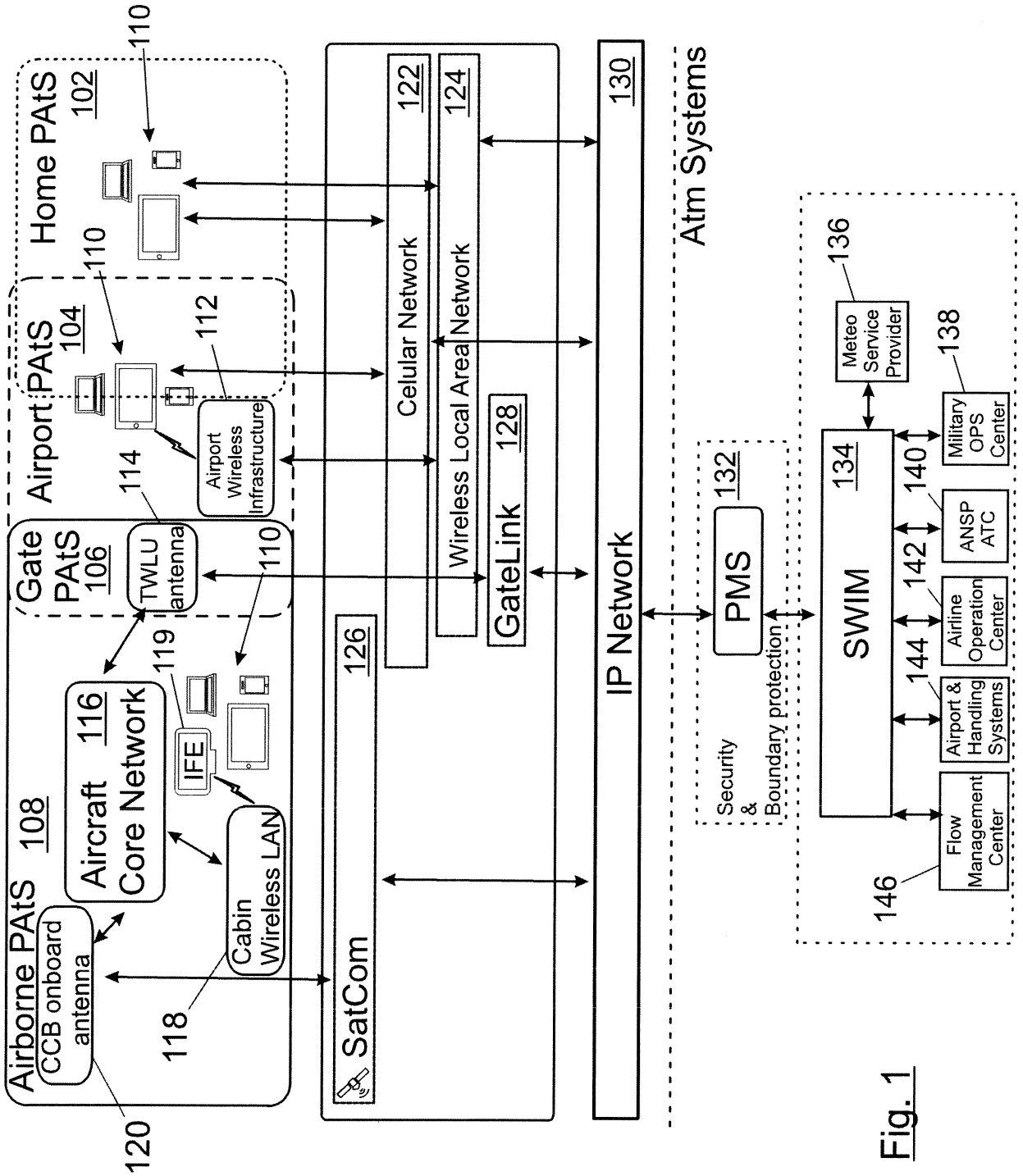
Airborne PAtS 108
CCB onboard antenna
120
Aircraft Core Network 116
118
Cabin Wireless LAN
119
IFE
Gate PAtS 106
TWLU antenna
114
110
Airport PAtS 104
112
Airport Wireless Infrastructure
Home PAtS 102
110
110
SatCom 126
Celular Network 122
Wireless Local Area Network 124
GateLink 128
IP Network 130
Atm Systems
Security & Boundary protection
PMS 132
SWIM 134
Meteo Service Provider 136
Military OPS Center 138
ANSP ATC 140
Airline Operation Center 142
Airport & Handling Systems 144
Flow Management Center 146

Fig. 1

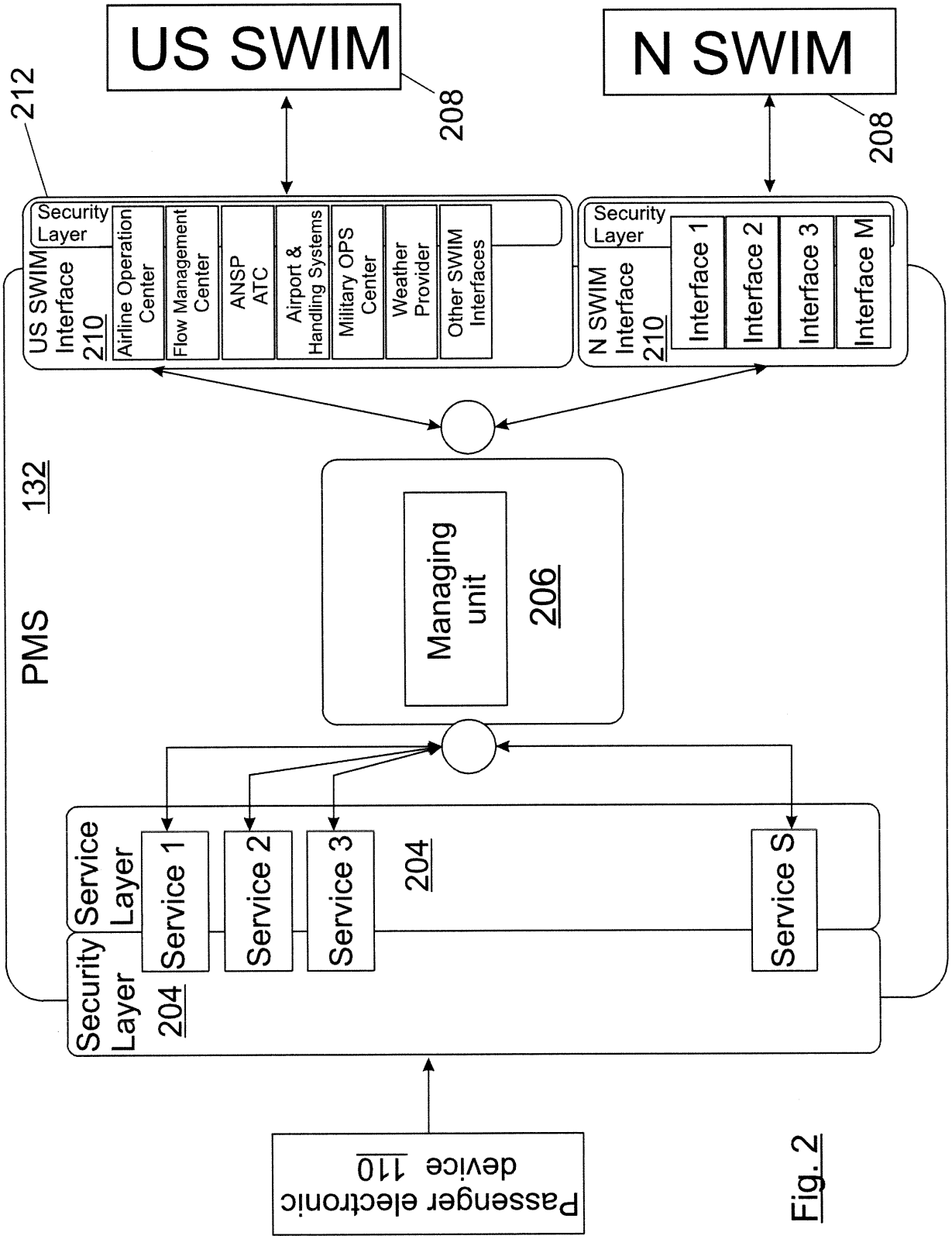
US SWIM
208
N SWIM
208
212
Security Layer
US SWIM Interface 210
Airline Operation Center
Flow Management Center
ANSP ATC
Airport & Handling Systems
Military OPS Center
Weather Provider
Other SWIM Interfaces
Security Layer
N SWIM Interface 210
Interface 1
Interface 2
Interface 3
Interface M
PMS 132
Managing unit 206
Service Layer
Service 1
Service 2
Service 3
204
Service S
Security Layer 204
Passenger electronic device 110

Fig. 2

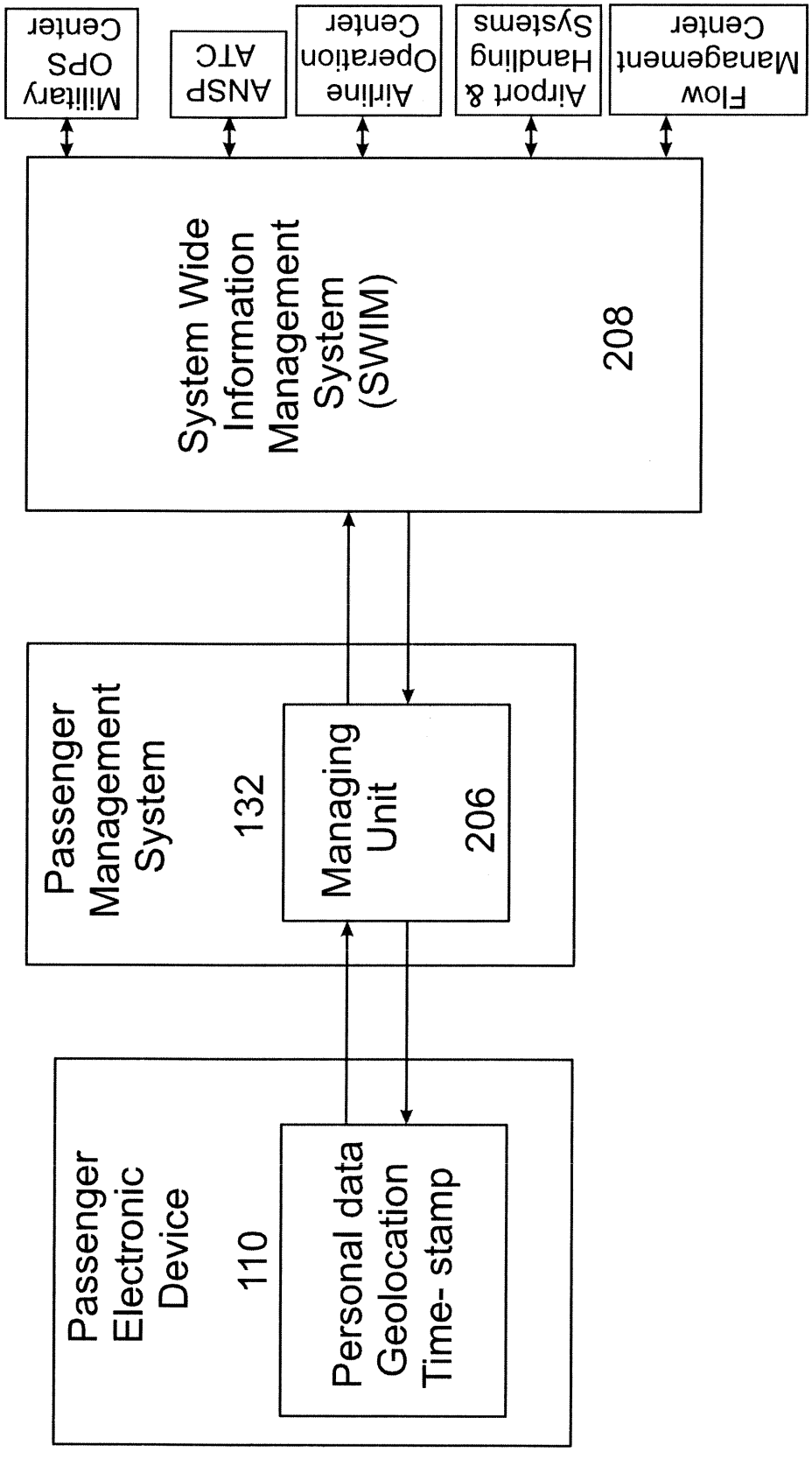
Passenger Electronic Device
110
Personal data
Geolocation
Time- stamp
Passenger Management System
132
Managing Unit
206
System Wide Information Management System (SWIM)
208
Flow Management Center
Airport & Handling Systems
Airline Operation Center
ANSP ATC
Military OPS Center

Fig. 3