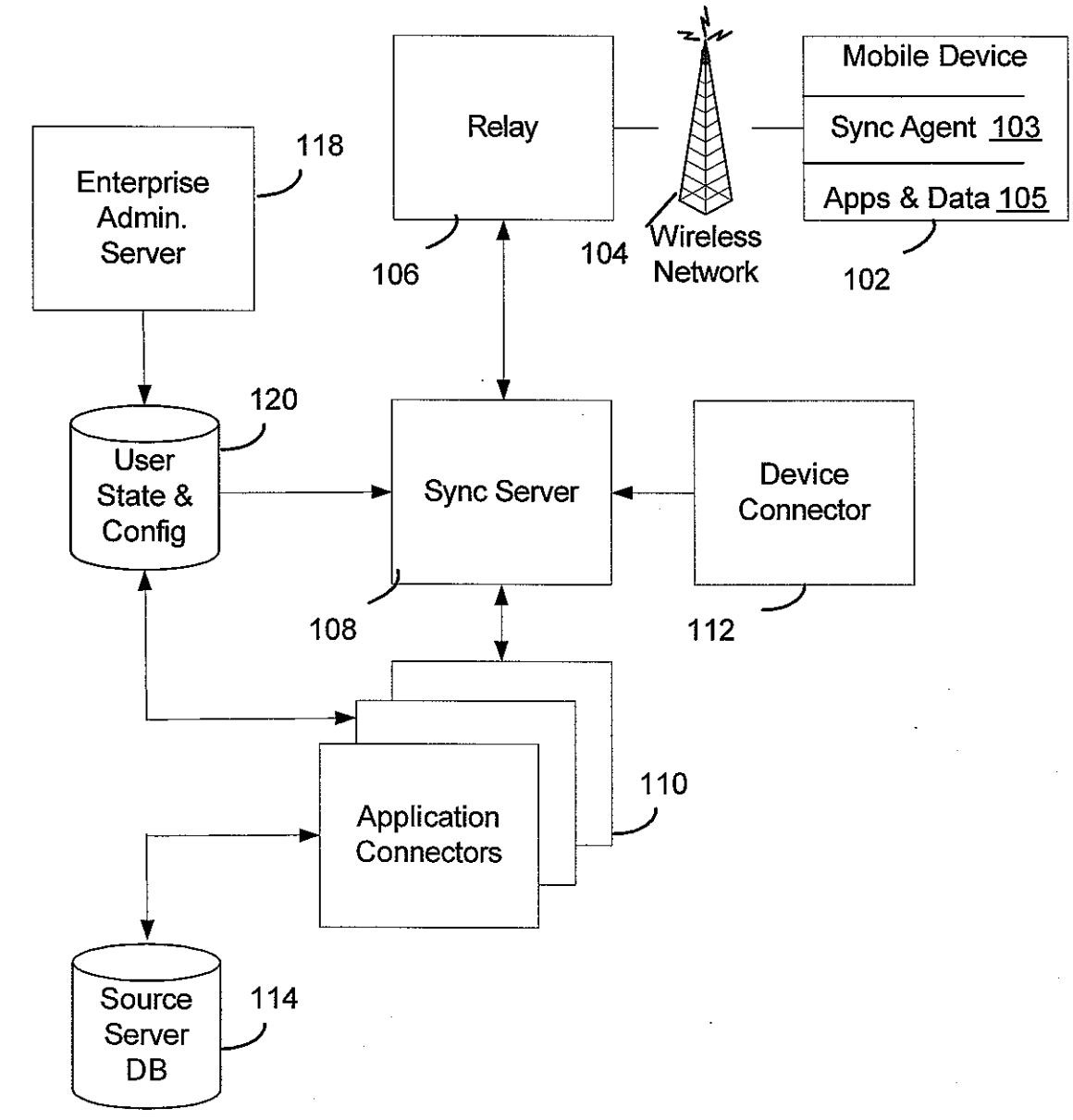

Relay
Mobile Device
Sync Agent 103
Apps & Data 105
Enterprise Admin. Server
118
106
104
Wireless Network
102
120
User State & Config
Sync Server
Device Connector
108
112
Application Connectors
110
Source Server DB
114

FIG. 1

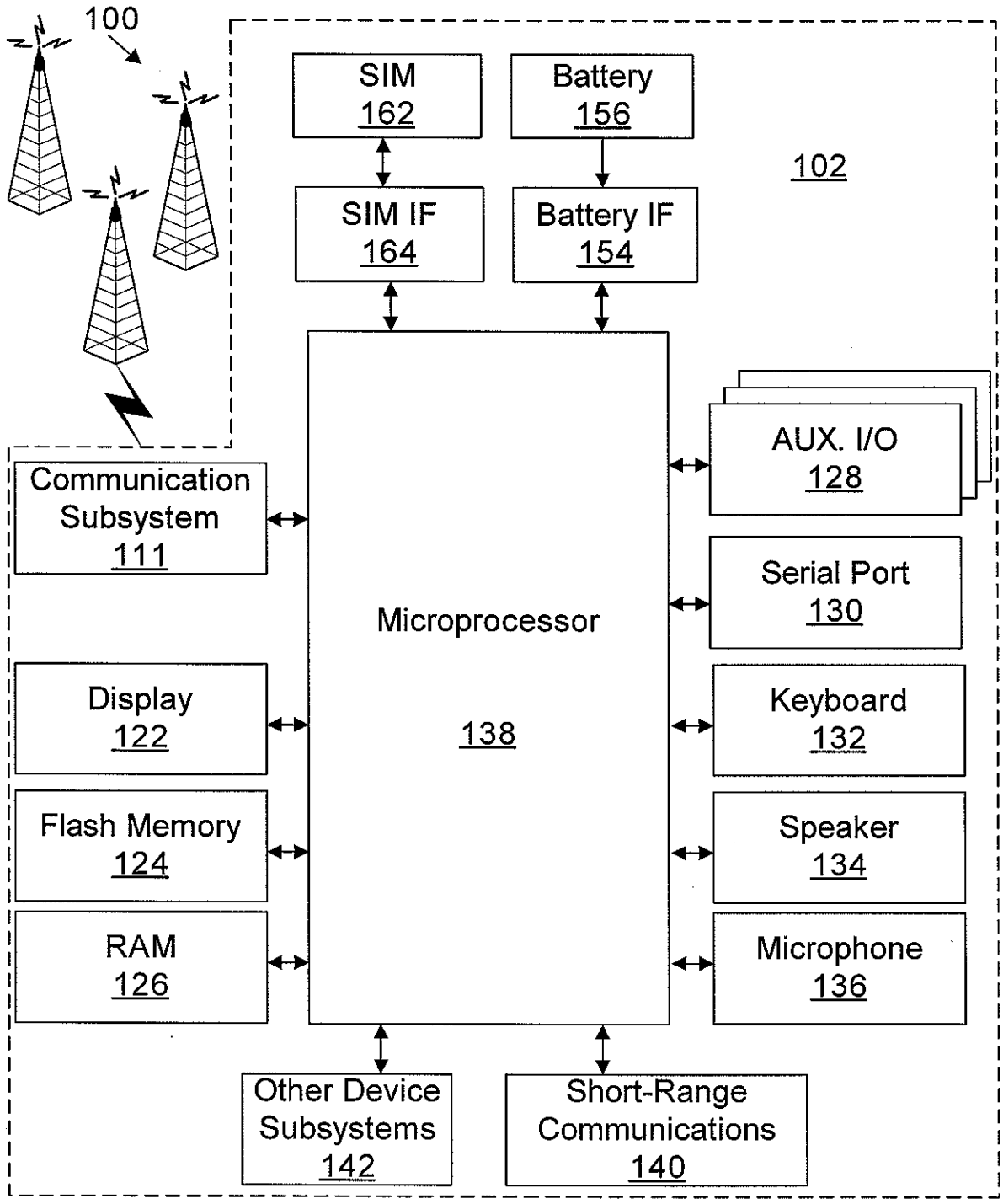

100
SIM
162
Battery
156
102
SIM IF
164
Battery IF
154
AUX. I/O
128
Communication
Subsystem
111
Microprocessor
138
Serial Port
130
Display
122
Keyboard
132
Flash Memory
124
Speaker
134
RAM
126
Microphone
136
Other Device
Subsystems
142
Short-Range
Communications
140

FIG. 2

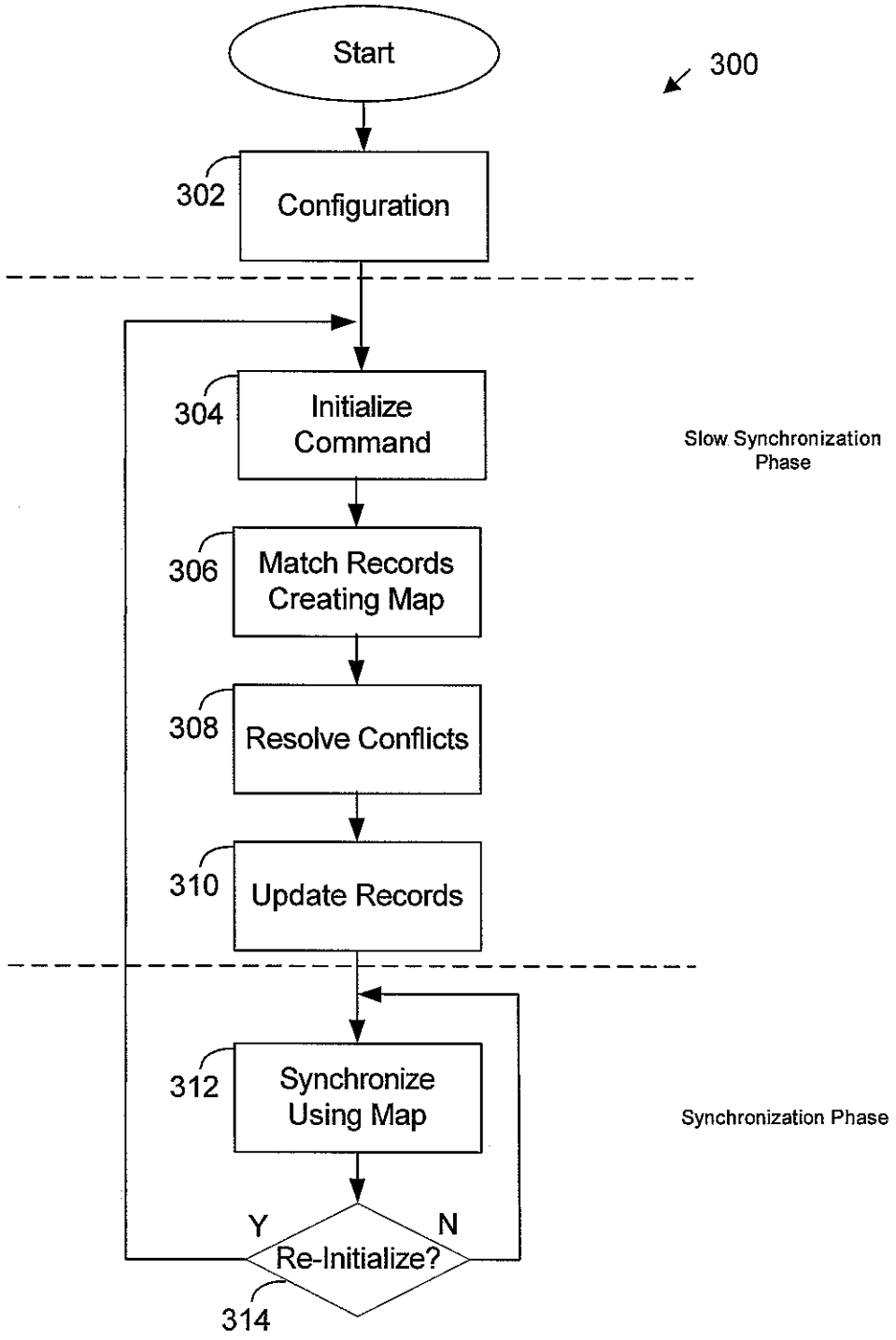

Start
300
302
Configuration
304
Initialize Command
Slow Synchronization Phase
306
Match Records Creating Map
308
Resolve Conflicts
310
Update Records
312
Synchronize Using Map
Synchronization Phase
Y
N
Re-Initialize?
314

FIG. 3

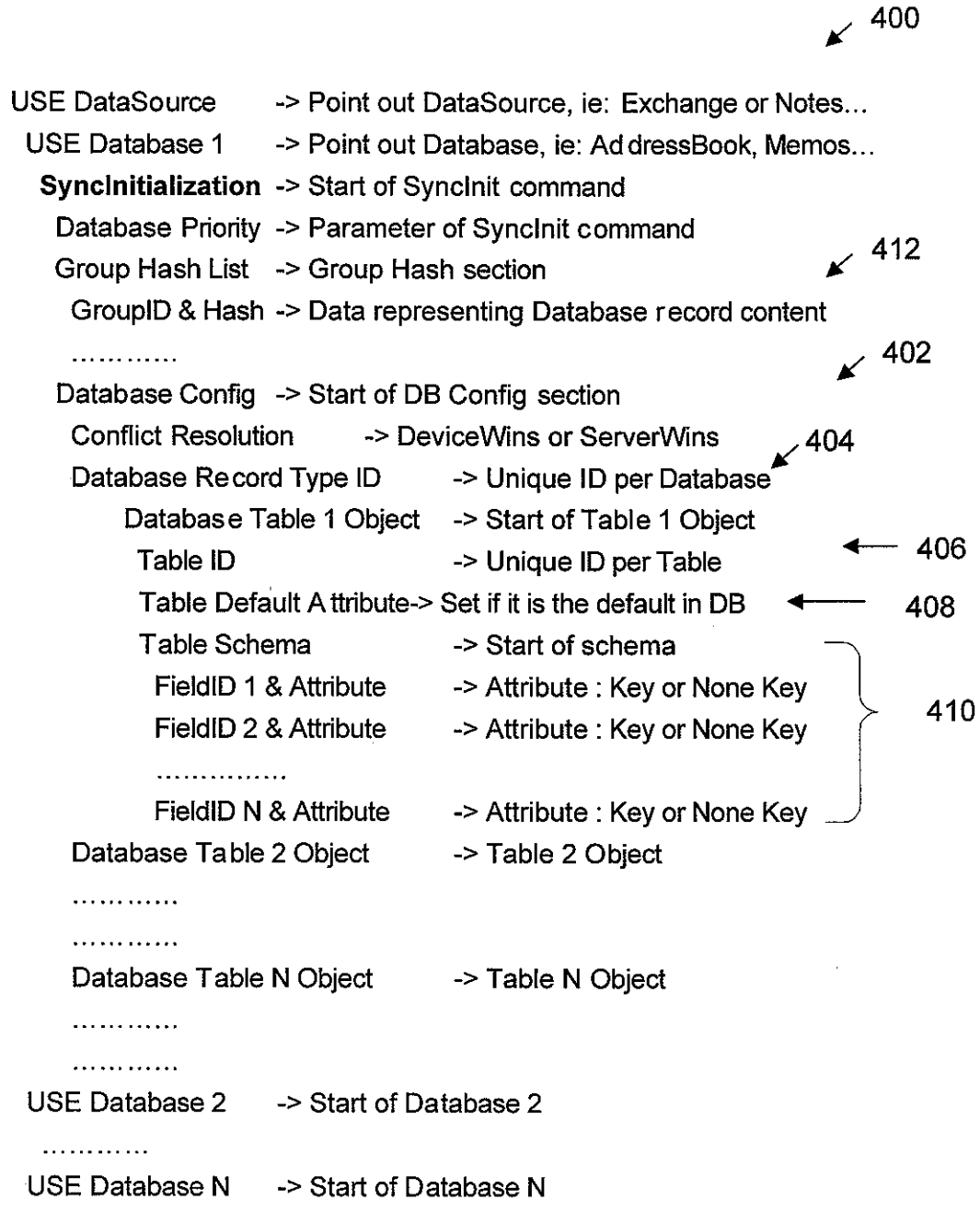

400
USE DataSource -> Point out DataSource, ie: Exchange or Notes...
USE Database 1 -> Point out Database, ie: AddressBook, Memos...
SyncInitialization -> Start of SyncInit command
Database Priority -> Parameter of SyncInit command
Group Hash List -> Group Hash section
412
GroupID & Hash -> Data representing Database record content
.....
402
Database Config -> Start of DB Config section
Conflict Resolution -> DeviceWins or ServerWins
404
Database Record Type ID -> Unique ID per Database
Database Table 1 Object -> Start of Table 1 Object
Table ID -> Unique ID per Table
406
Table Default Attribute -> Set if it is the default in DB
408
Table Schema -> Start of schema
FieldID 1 & Attribute -> Attribute : Key or None Key
FieldID 2 & Attribute -> Attribute : Key or None Key
.....
FieldID N & Attribute -> Attribute : Key or None Key
410
Database Table 2 Object -> Table 2 Object
.....
.....
Database Table N Object -> Table N Object
.....
.....
USE Database 2 -> Start of Database 2
.....
USE Database N -> Start of Database N

FIG. 4

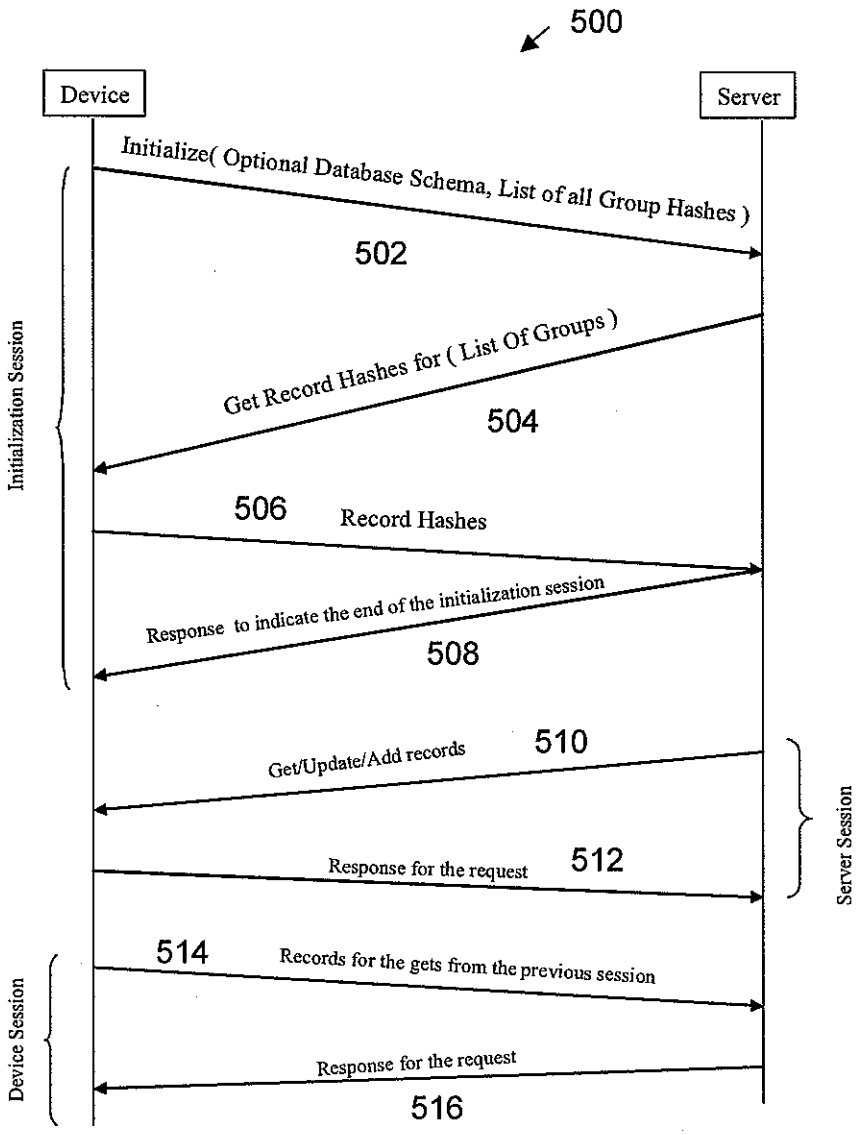

500
Device
Server
Initialize(Optional Database Schema, List of all Group Hashes)
502
Get Record Hashes for (List Of Groups)
504
506
Record Hashes
Response to indicate the end of the initialization session
508
Initialization Session
Get/Update/Add records
510
Response for the request
512
Server Session
514
Records for the gets from the previous session
Response for the request
516
Device Session

FIG. 5