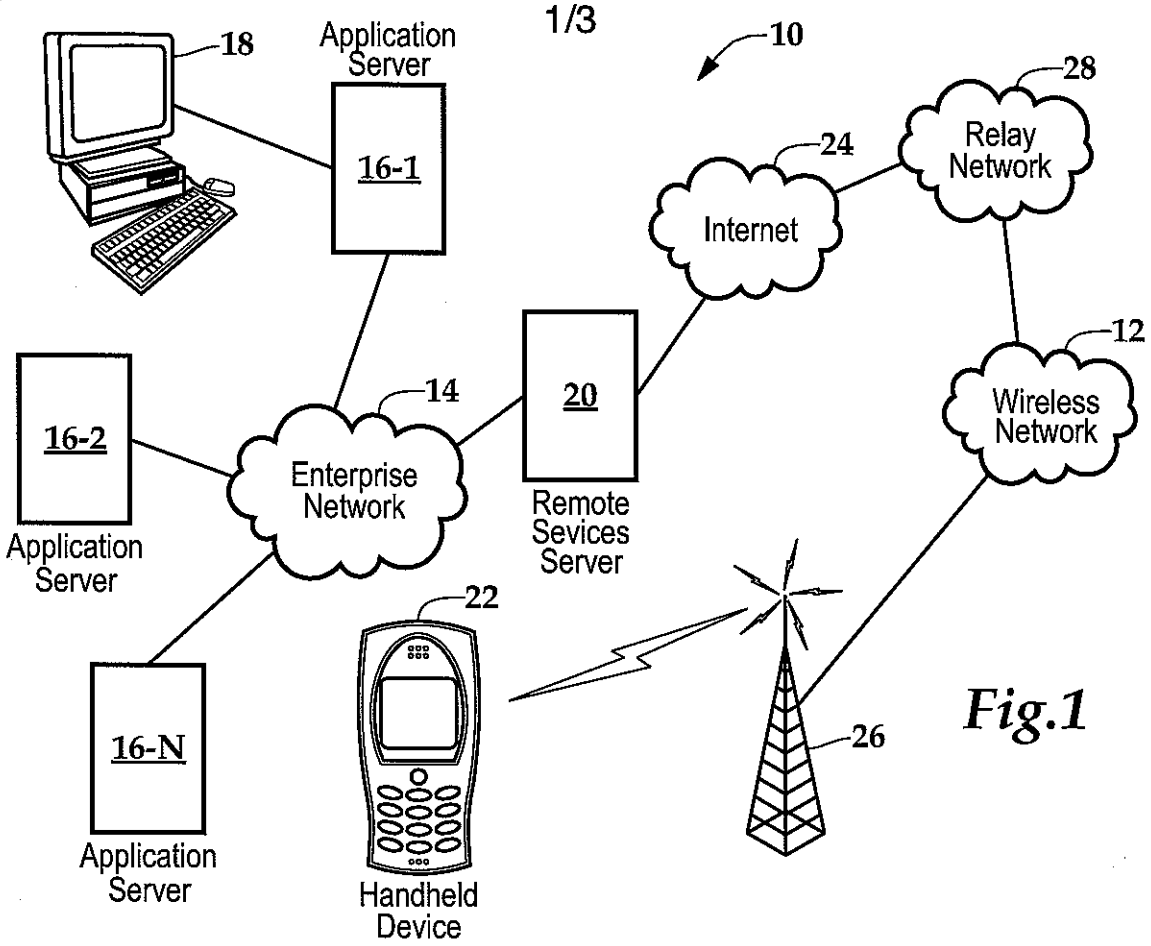

18
Application Server
16-1
10
28
Relay Network
24
Internet
12
Wireless Network
16-2
Application Server
14
Enterprise Network
20
Remote Sevices Server
22
16-N
Application Server
Handheld Device
26

Fig.1

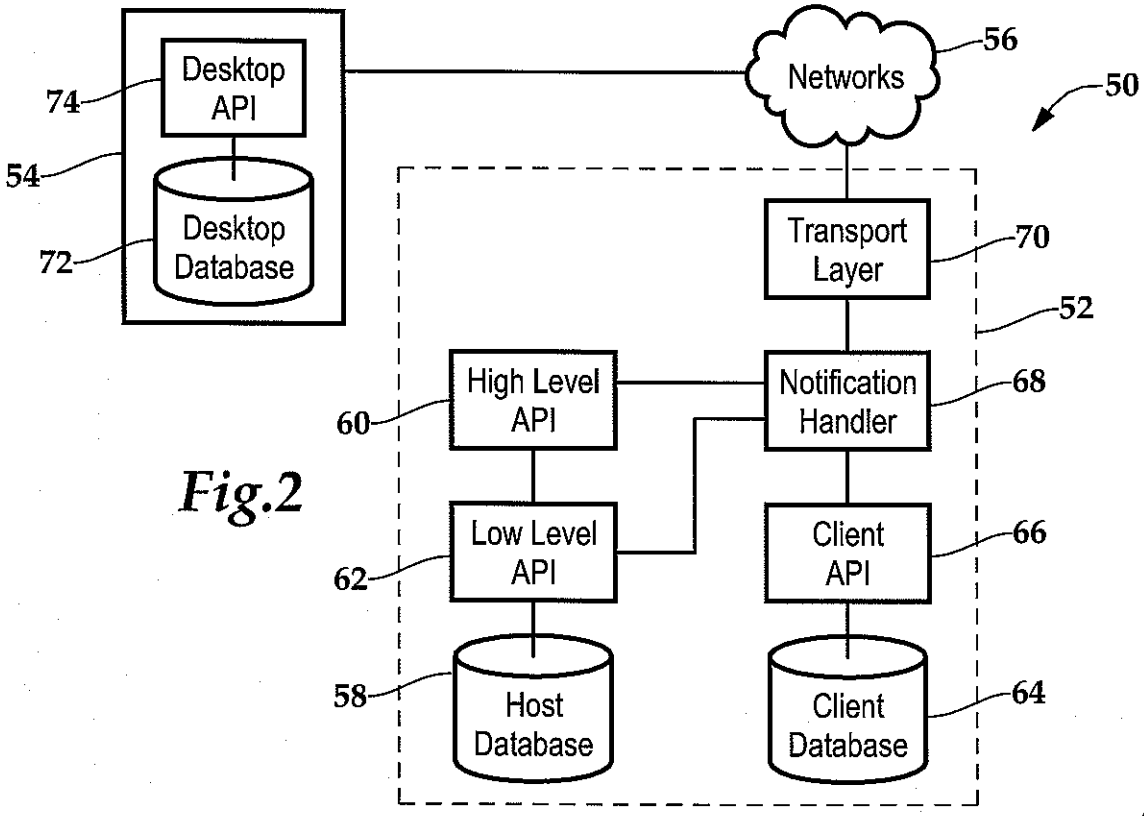

74
Desktop API
54
Desktop Database
72
Networks
56
50
Transport Layer
70
52
High Level API
60
Notification Handler
68
Low Level API
62
Client API
66
Host Database
58
Client Database
64

Fig.2

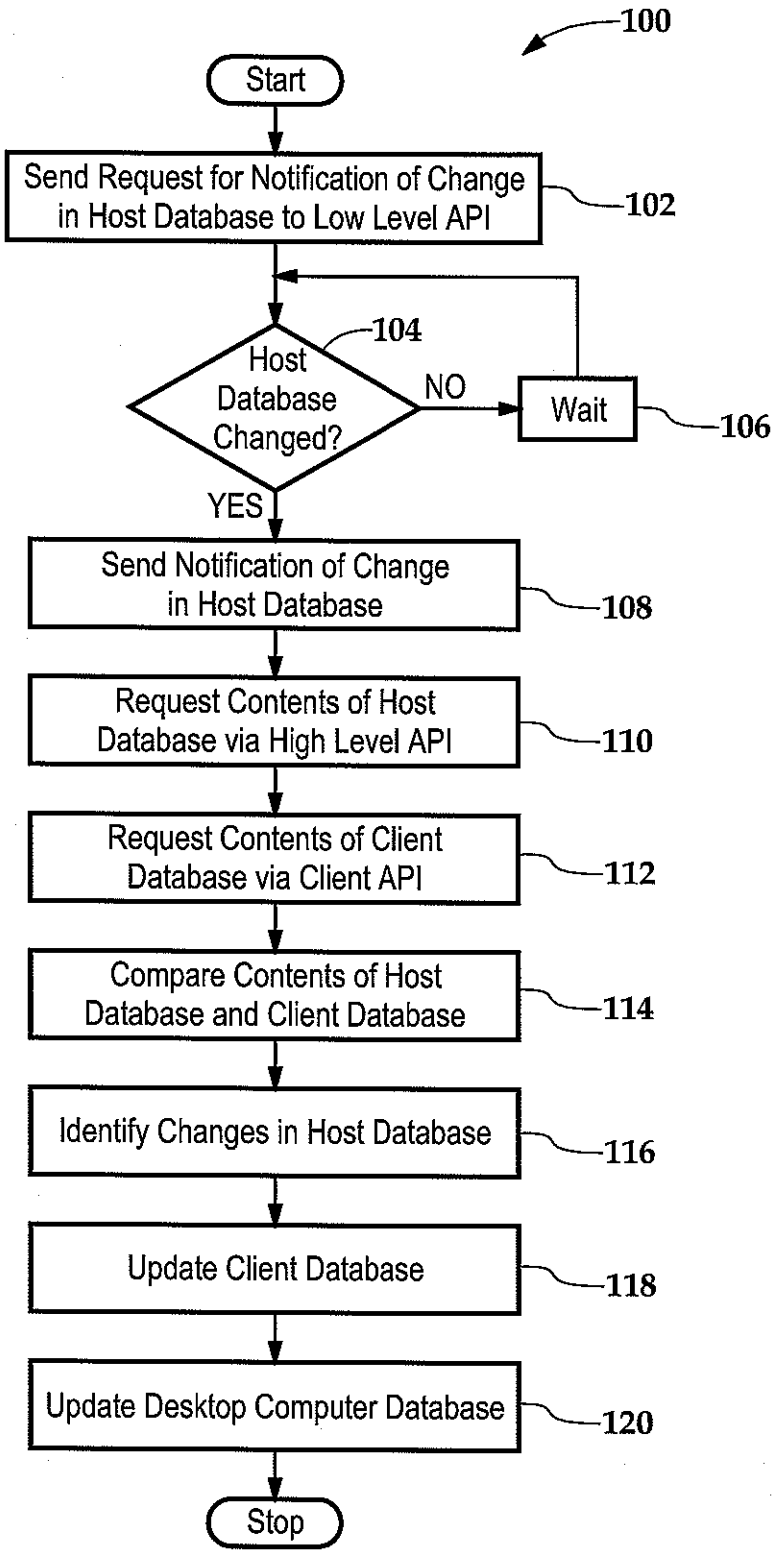

100
Start
Send Request for Notification of Change in Host Database to Low Level API
102
104
Host Database Changed?
NO
Wait
106
YES
Send Notification of Change in Host Database
108
Request Contents of Host Database via High Level API
110
Request Contents of Client Database via Client API
112
Compare Contents of Host Database and Client Database
114
Identify Changes in Host Database
116
Update Client Database
118
Update Desktop Computer Database
120
Stop

Fig.3

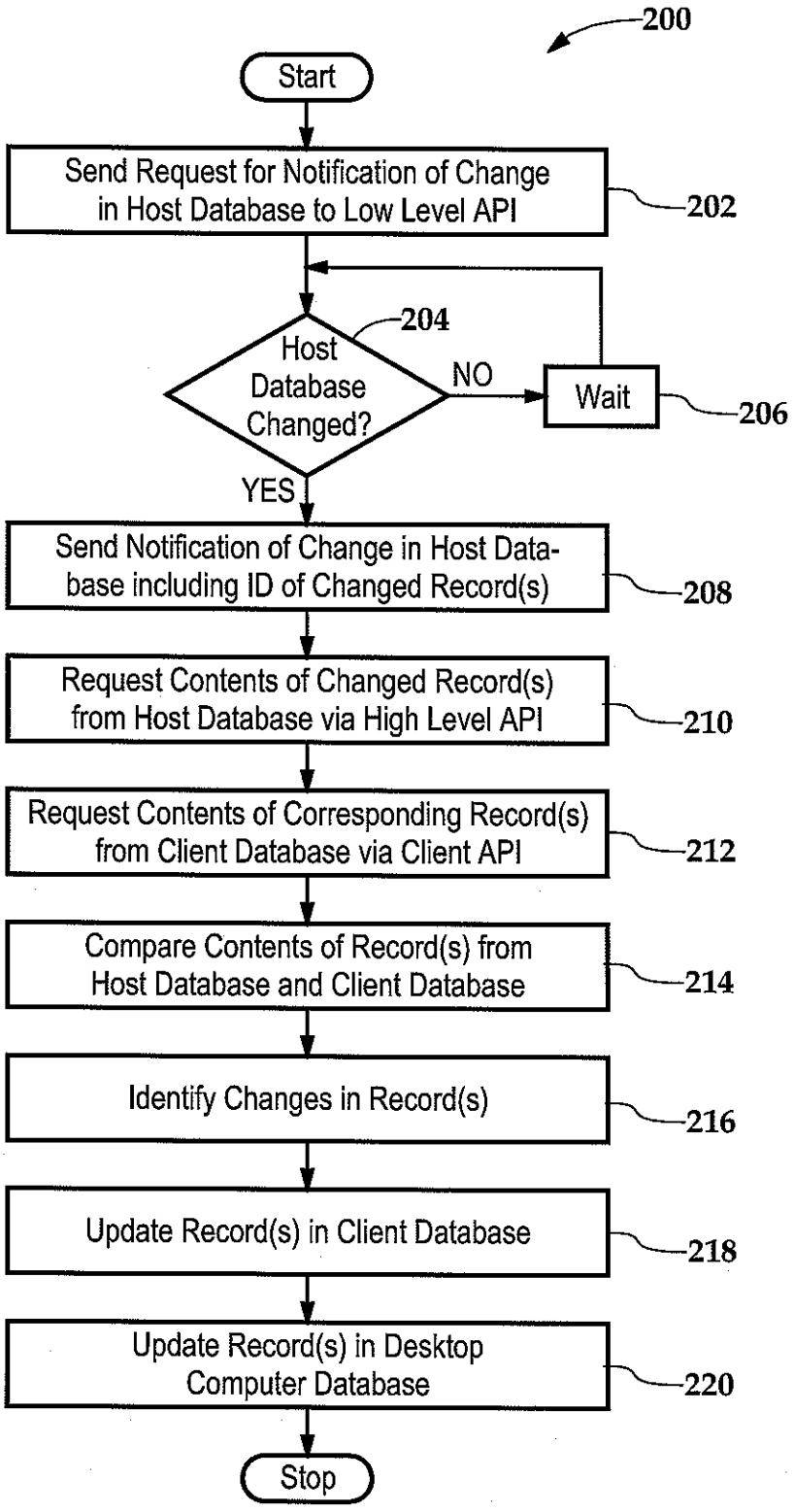

200
Start
Send Request for Notification of Change in Host Database to Low Level API
202
204
Host Database Changed?
NO
Wait
206
YES
Send Notification of Change in Host Database including ID of Changed Record(s)
208
Request Contents of Changed Record(s) from Host Database via High Level API
210
Request Contents of Corresponding Record(s) from Client Database via Client API
212
Compare Contents of Record(s) from Host Database and Client Database
214
Identify Changes in Record(s)
216
Update Record(s) in Client Database
218
Update Record(s) in Desktop Computer Database
220
Stop

Fig.4