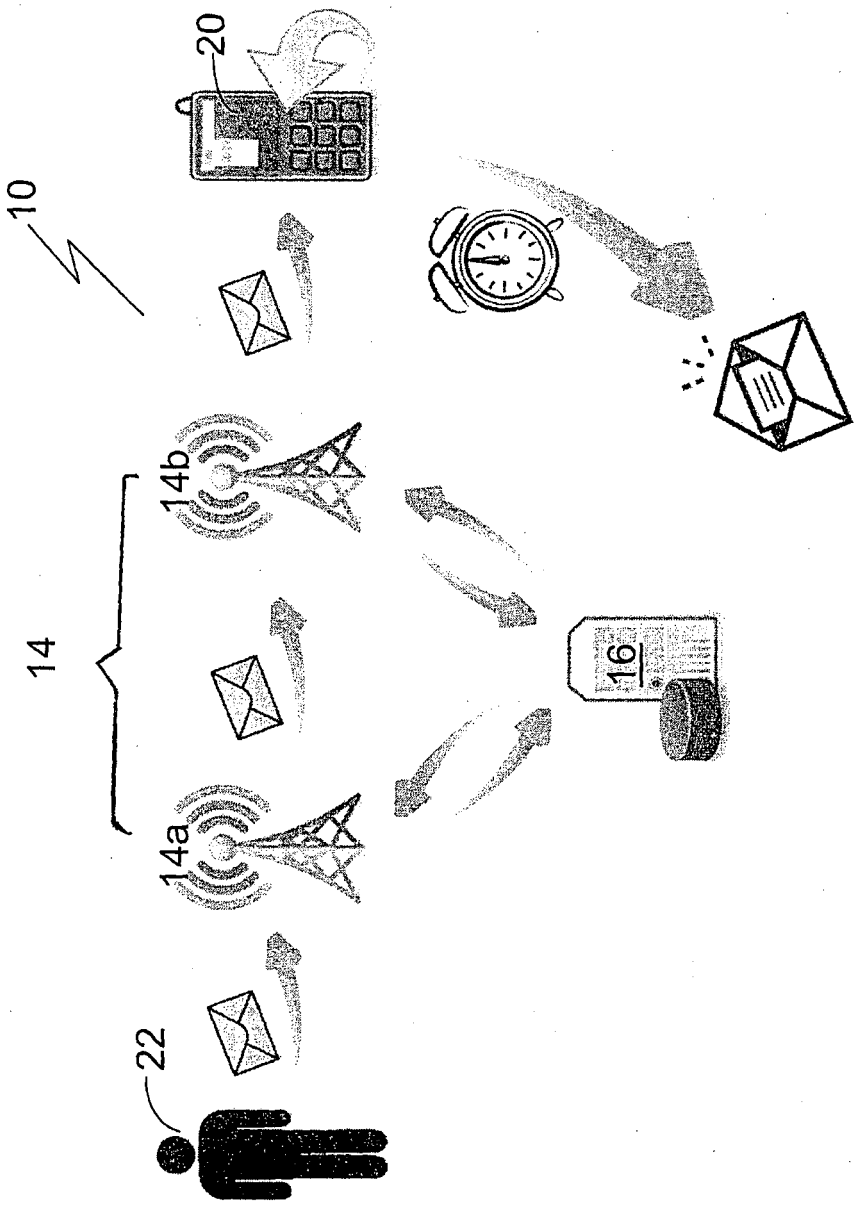

Fig. 1

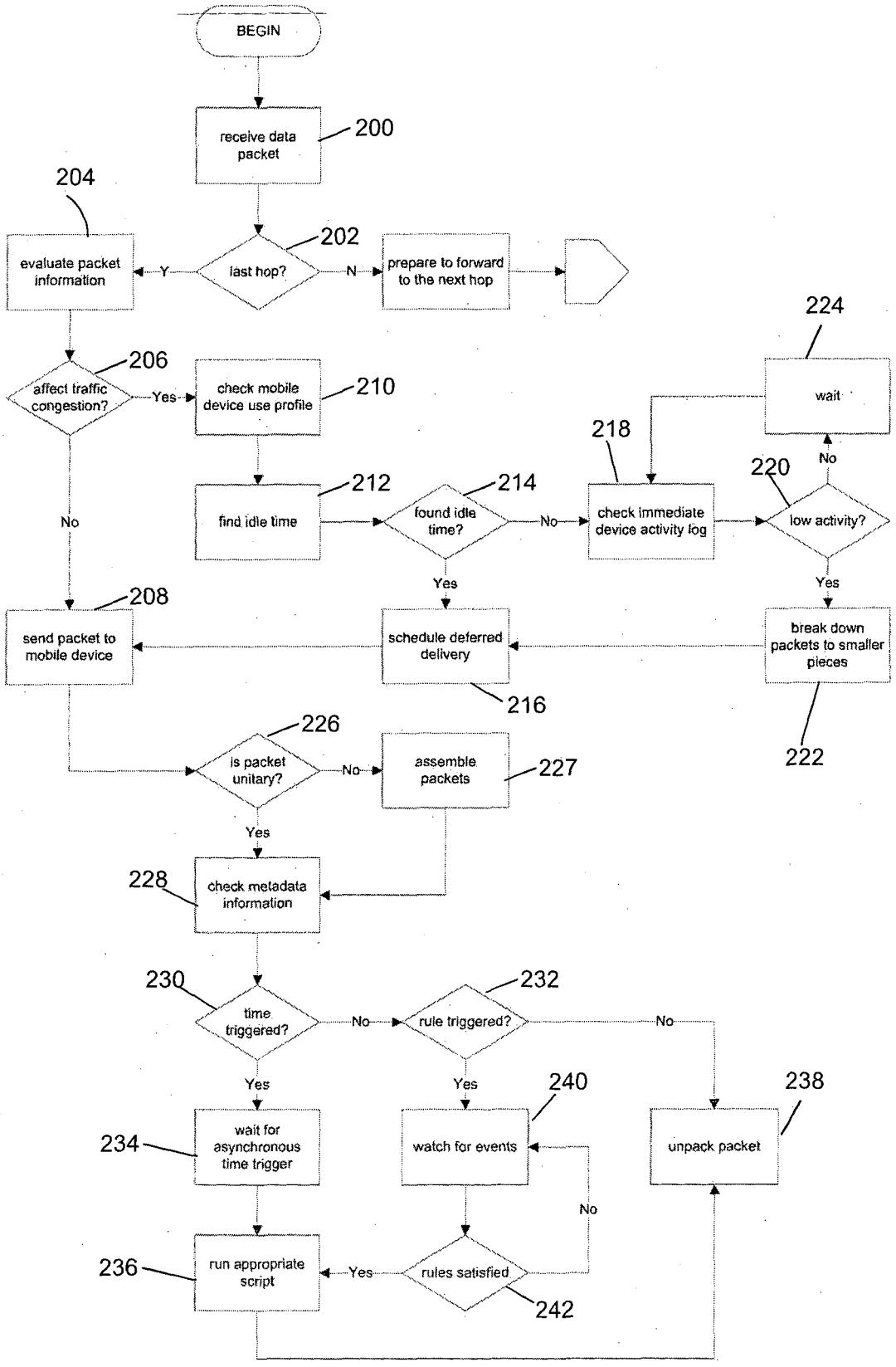
BEGIN
receive data packet
200
204
evaluate packet information
202
last hop?
Y
N
prepare to forward to the next hop
206
affect traffic congestion?
Yes
check mobile device use profile
210
No
find idle time
212
found idle time?
214
No
check immediate device activity log
218
low activity?
220
wait
224
No
Yes
Yes
208
send packet to mobile device
schedule deferred delivery
break down packets to smaller pieces
216
222
226
is packet unitary?
No
assemble packets
227
Yes
228
check metadata information
230
time triggered?
No
rule triggered?
232
No
Yes
Yes
240
238
234
wait for asynchronous time trigger
watch for events
unpack packet
No
236
run appropriate script
Yes
rules satisfied
242

Fig. 2

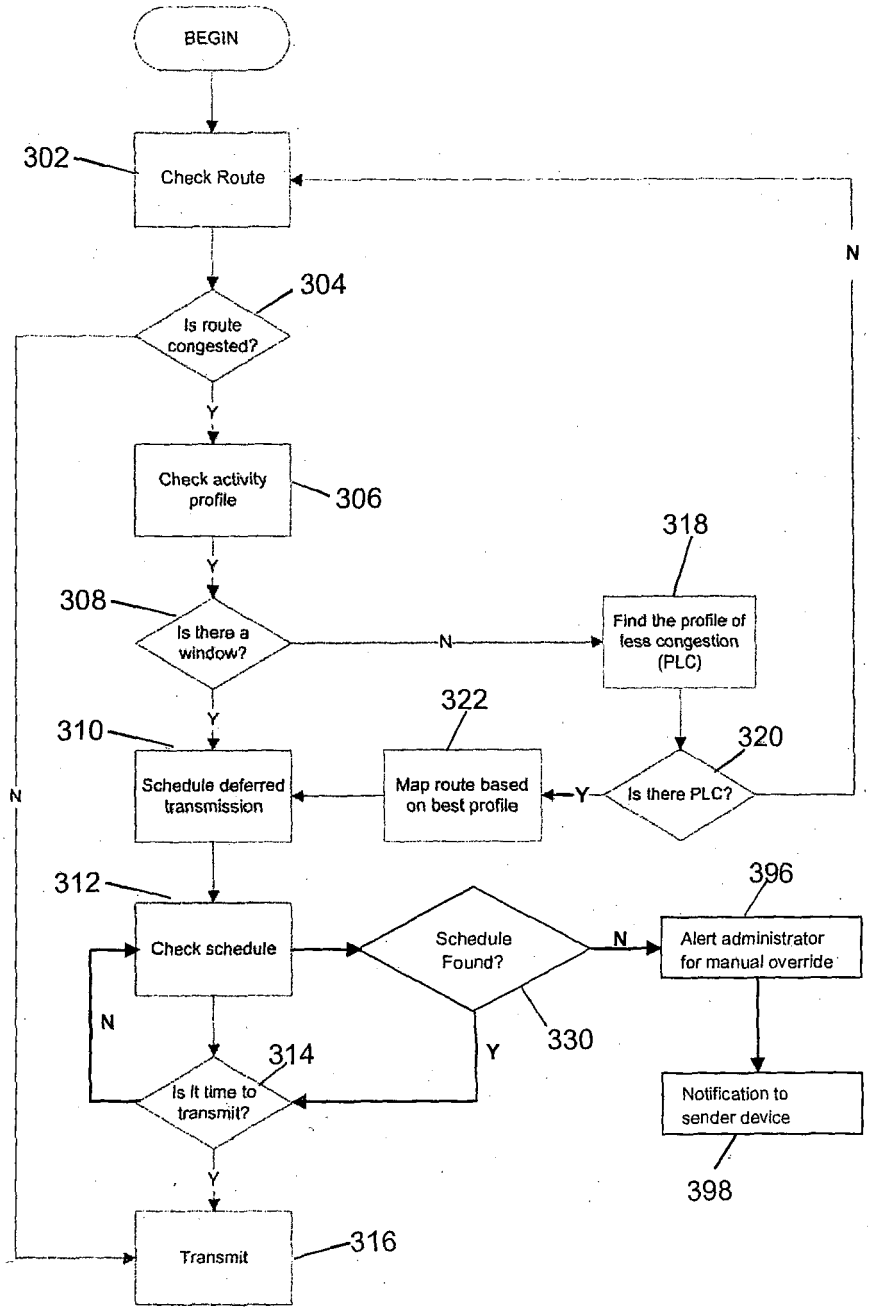
BEGIN
302
Check Route
304
Is route congested?
Y
N
Check activity profile
306
Y
318
308
Is there a window?
N
Find the profile of less congestion (PLC)
Y
322
310
320
Schedule deferred transmission
Map route based on best profile
Y
Is there PLC?
N
312
396
Check schedule
Schedule Found?
N
Alert administrator for manual override
N
330
Y
314
Is it time to transmit?
Notification to sender device
398
Y
Transmit
316

Fig. 3