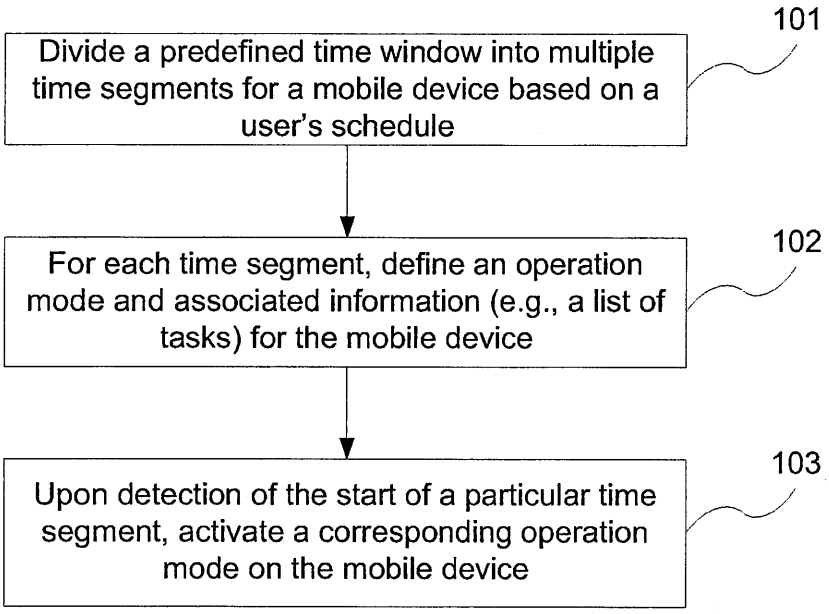

101
Divide a predefined time window into multiple time segments for a mobile device based on a user's schedule
102
For each time segment, define an operation mode and associated information (e.g., a list of tasks) for the mobile device
103
Upon detection of the start of a particular time segment, activate a corresponding operation mode on the mobile device

Figure 1

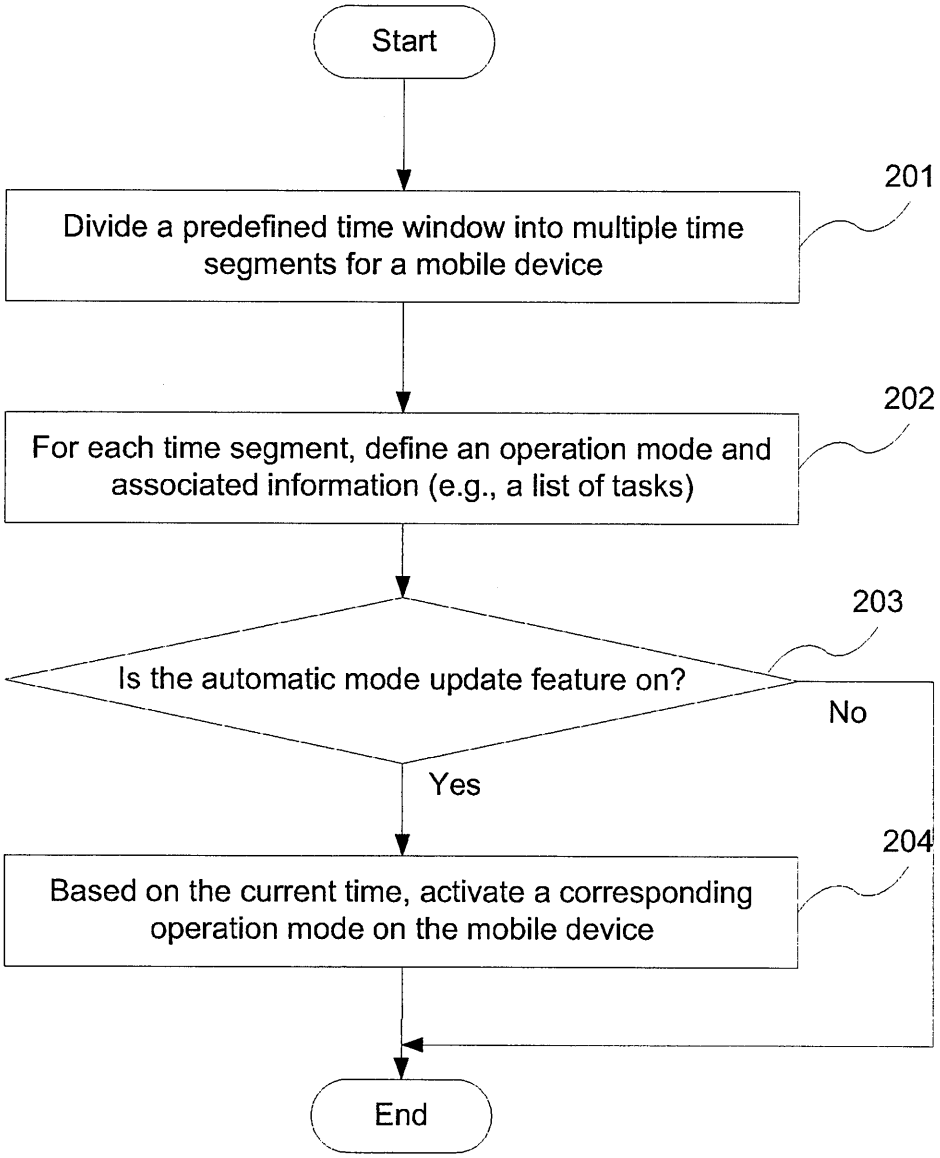

Start
201
Divide a predefined time window into multiple time segments for a mobile device
202
For each time segment, define an operation mode and associated information (e.g., a list of tasks)
203
Is the automatic mode update feature on?
No
Yes
204
Based on the current time, activate a corresponding operation mode on the mobile device
End

Figure 2

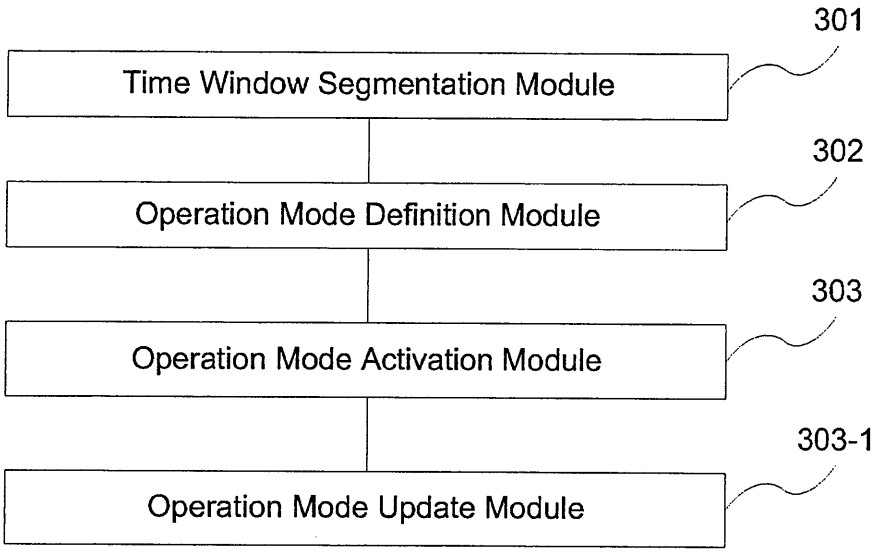


Figure 3

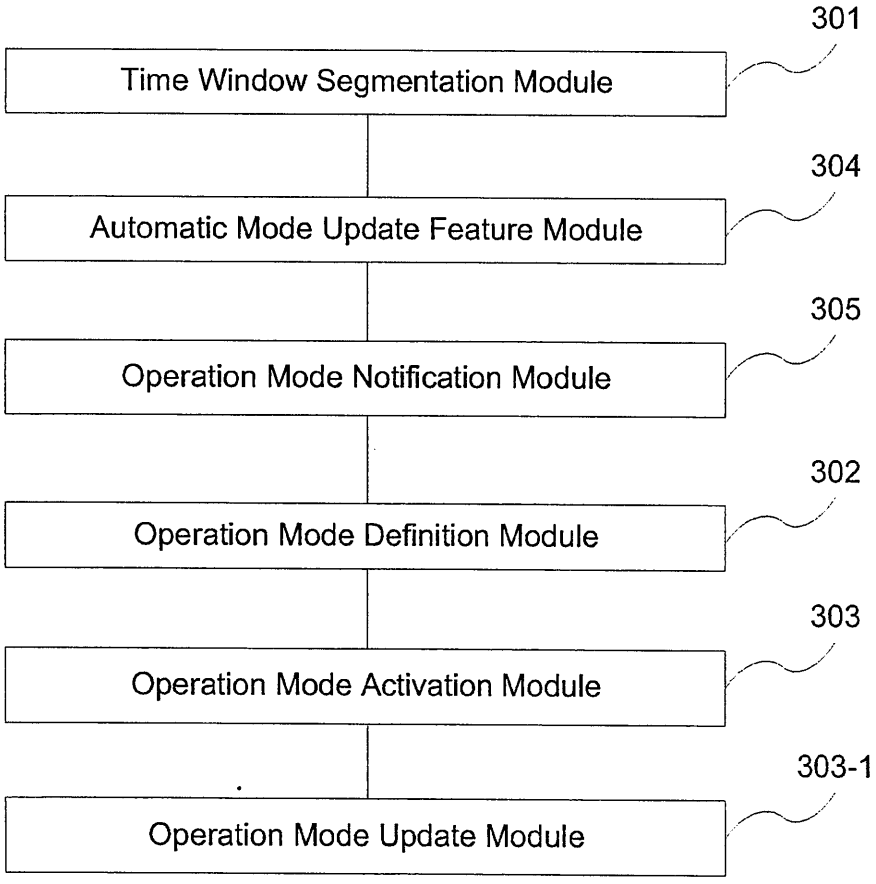


Figure 4

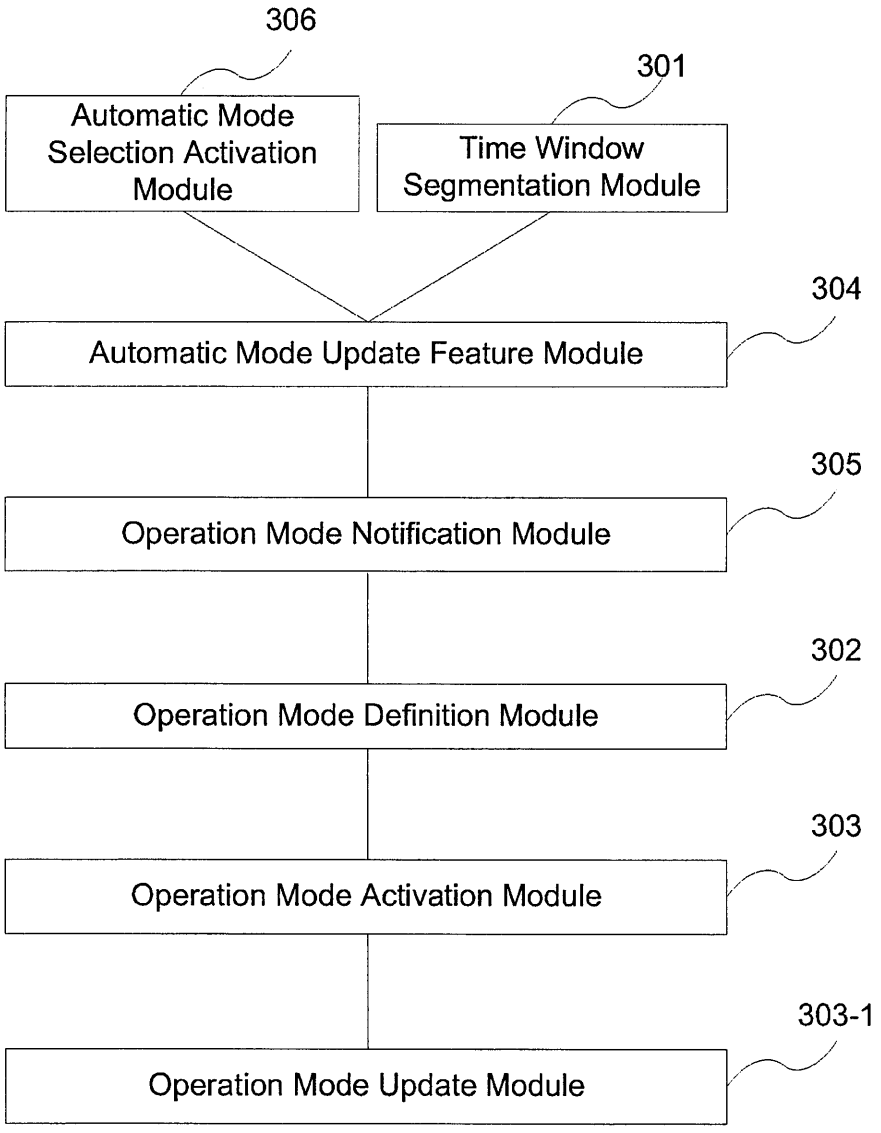

306
Automatic Mode Selection Activation Module
301
Time Window Segmentation Module
304
Automatic Mode Update Feature Module
305
Operation Mode Notification Module
302
Operation Mode Definition Module
303
Operation Mode Activation Module
303-1
Operation Mode Update Module

Figure 5

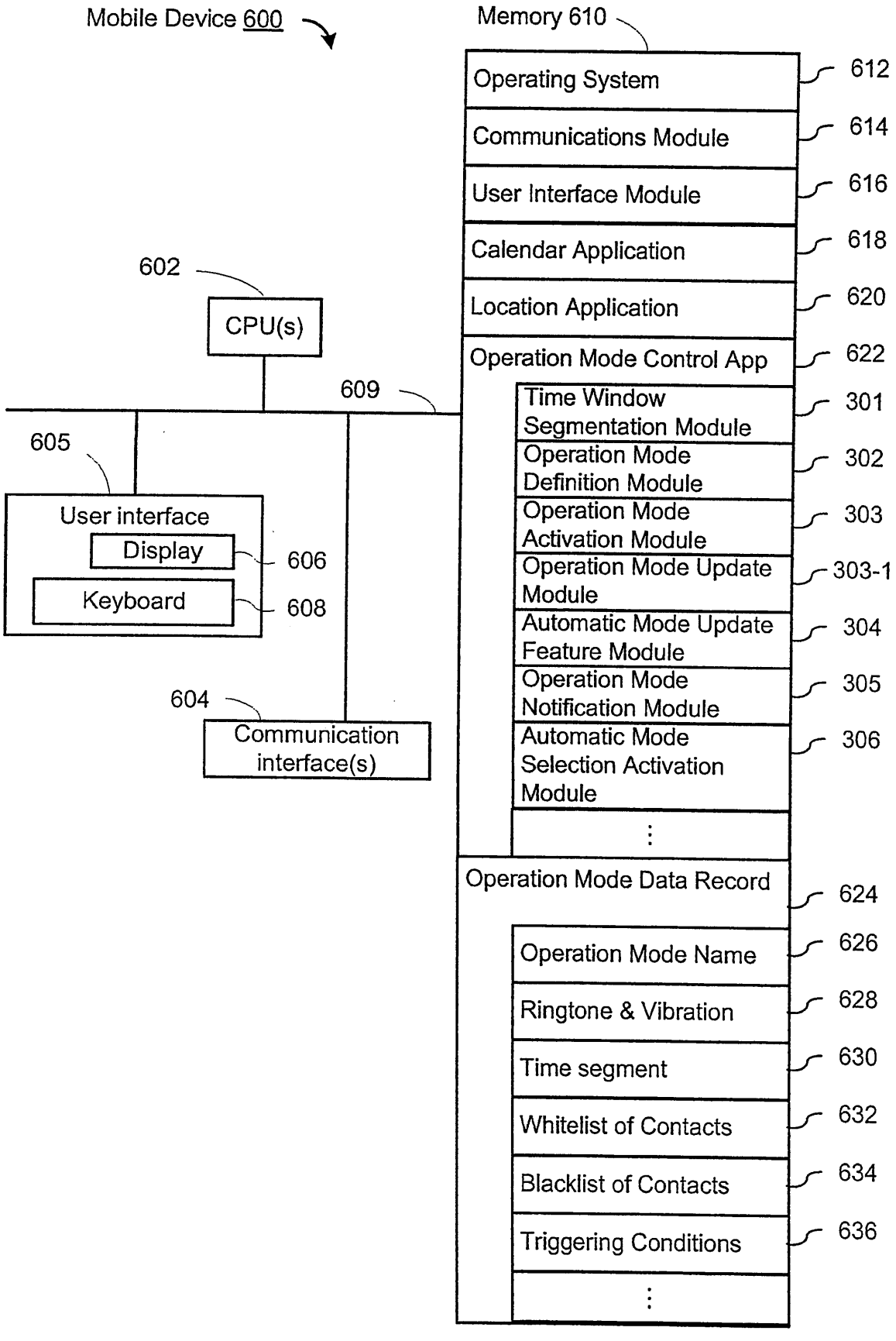

Mobile Device 600
Memory 610
Operating System
612
Communications Module
614
User Interface Module
616
Calendar Application
618
Location Application
620
Operation Mode Control App
622
Time Window Segmentation Module
301
Operation Mode Definition Module
302
Operation Mode Activation Module
303
Operation Mode Update Module
303-1
Automatic Mode Update Feature Module
304
Operation Mode Notification Module
305
Automatic Mode Selection Activation Module
306
Operation Mode Data Record
624
Operation Mode Name
626
Ringtone & Vibration
628
Time segment
630
Whitelist of Contacts
632
Blacklist of Contacts
634
Triggering Conditions
636
602
CPU(s)
609
605
User interface
Display
606
Keyboard
608
604
Communication interface(s)

Figure 6