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(54) **REDUCING POWER CONSUMPTION IN A NETWORKED BATTERY-OPERATED DEVICE USING SENSORS**

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(58) **Field of Classification Search** 455/574, 455/566, 567, 343.1; 345/156
See application file for complete search history.

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(57) **ABSTRACT**

A method and system for mobile device power consumption management decreases the instantaneous power consumption of a mobile device, increasing operational lifetime of the device. In an embodiment of the invention, the mobile device is associated with a plurality of device behavior modification techniques that can be set in response to data collected from a plurality of sensors associated with the device. In an embodiment, the sensors detect the device's motion, tilt, proximity to a user, contact with a user, and orientation with respect to a user. In a further embodiment, the sensors detect a temperature related to the device or its environment.

2 Claims, 5 Drawing Sheets

	401 MOVING	403 IN USER POCKET	405 USER LOOKING AT	407 USER CLOSE	409 DEVICE POWER CONSUMPTION MODIFICATIONS
411	0	0	0	0	Low power standby, high ringer, no vibrator, no screen, decreased update rate
413	0	0	0	1	Low power standby, low ringer, no vibrator, no screen, decreased update rate
415	0	0	1	0	NA
417	0	0	1	1	Normal power standby, no ringer, no vibrator, screen normal, decreased update rate
419	0	1	0	0	NA
421	0	1	0	1	Normal power standby, no ringer, yes vibrator, no screen, decreased update rate
423	0	1	1	0	NA
425	0	1	1	1	NA
427	1	0	0	0	(unlikely) Low power standby, high ringer, no vibrator, no screen, normal update rate
429	1	0	0	1	Normal power standby, low ringer, no vibrator, no screen, normal update rate
431	1	0	1	0	NA
433	1	0	1	1	Normal power standby, no ringer, no vibrator, screen normal, normal update rate
435	1	1	0	0	NA
437	1	1	0	1	Normal power standby, no ringer, yes vibrator, no screen, normal update rate
439	1	1	1	0	NA
441	1	1	1	1	NA