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(54) Title: REACTIVE REPLENISHABLE DEVICE MANAGEMENT

(57) Abstract: Reactive replenishable device (306) management comprises receiving device (306) measurement data (312, 314, 316) from at least one device (306), updating one or more device usage profiles (320) associated with the at least one device (306), and if an analysis of the one or more device usage profiles (320) indicates usage of the at least one device (306) is sub-optimal, performing one or more of: controlling (4A15) at least one of an attribute or an operation of the at least one device (306), issuing one or more device management recommendations (4A25) to a user of the at least one device (306), and issuing one or more user alerts to the user (4A35). The at least one device comprises at least one of one or more replenishable devices (400), one or more replenishers (452) associated with the one or more replenishable devices (400), and one or more other devices (404) associated with the one or more replenishable devices (400).



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **G01N 27/416(2006.01);H01M 2/40(2006.01);H02J 7/06(2006.01)**

 USPC: 324/430,433;429/70;320/163
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 324/430,433;429/70;320/163

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 USPAT, US_PGPUB, JPO, EPO, DERWENT, IBM_TDB


C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 6,424,157 (Gollomp et al) 23 July 2002, columns 1, 4, 8, 10 - 14, 16 and 19.	1-17, 20-24, 28-164 ----- 18, 19, 25-27
Y	US 6,558,833 (McCoy et al) 06 May 2003 (06.05.2003) column 1, lines 18 - 29, 7 - 10.	1, 28,55,82,109,136
Y	US 4,560,937 (Finger et al) 24 December 1985 (24-12-1985) column 23, lines 14 - 29.	18, 19
Y	US 5,345,163 (Gibbons et al) 06 September 1994 (06.09.1994), column 4, lines 23-36.	25 - 27

Further documents are listed in the continuation of Box C. See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means		
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