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(54) Title: APPARATUS AND METHOD FOR ENHANCED PERSONAL HYGIENE

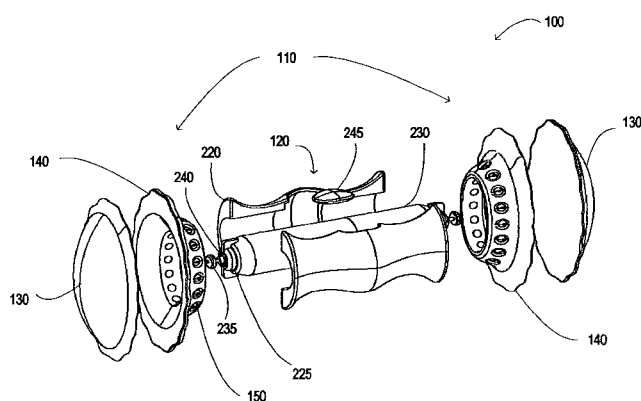


FIG. 2

(57) Abstract: An apparatus and method for enhanced personal hygiene. In one embodiment, a hand cleaner apparatus (100) is disclosed. The hand cleaner apparatus includes an elongate grip (120) having two ends. Each end has a scrubber area (130) and a finger scrubber notch (140). In another embodiment, light emitting diodes (150) and a timer are included in the hand cleaner apparatus to indicate passage of an appropriate cleaning time after activation of the hand cleaner apparatus. Other embodiments are also disclosed.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. A47K7/Q4
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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)
A47K A61N

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)
EPO-Internal , WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	wo 03/024522 A2 (KELLOGG DAVID L [US]) 27 March 2003 (2003-03-27) cited in the appl icati on the whole document	1, 10, 14
A	----- US 2006/168746 AI (GUYURON BAHMAN [US] ET AL) 3 August 2006 (2006-08-03) abstract; figures -----	1, 10, 14



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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 03024522	A2	27-03-2003	AU 2002333653 A1 01-04-2003
			CN 1556690 A 22-12-2004
			EP 1429670 A2 23-06-2004
			US 6569170 B1 27-05-2003
			WO 03024522 A2 27-03-2003

US 2006168746	A1	03-08-2006	NONE
