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(54) **Depilatory device**

(57) A depilatory device (1) in this invention comprising a housing (200), a plucking means, a pinching mechanism, and a plucking mechanism. The plucking means includes a plucking cylinder (16) which is supported to the housing (200). The plucking cylinder (16) carries a plurality of pinching units (300L, 300R) at a circumference surface of the plucking cylinder (16). The pinching unit is composed of a first blade (31L) and a second blade (23L). At least one of the first blade (31L) and the second blade (23L) is movable toward and away from the other of the first blade and the second blade to have an opened position and a pinch position. Each of the pinching units

has a hair introducing direction perpendicular to the gap between the first blade and the second blade in the opened position. The pinching mechanism is configured to provide the opened position and the pinch position to the first blade and the second blade. The plucking mechanism is configured to rotate the plucking cylinder. The pinching units are arranged to have their hair introducing directions which are inclined with respect to the longitudinal axis as well as a circumferential direction of the plucking cylinder.

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EUROPEAN SEARCH REPORT

Application Number
EP 09 01 1877

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	FR 2 697 977 A1 (BRAUN AG [DE]) 20 May 1994 (1994-05-20)	1-9	INV. A45D26/00
Y	* page 6, line 7 - page 7, line 31 * * page 8, line 6 - line 28 * * page 13, line 31 - page 15, line 9 * * page 16, line 24 - page 18, line 6; claims 12, 13; figures 1, 2, 4f *	12,13	
Y	EP 1 839 522 A1 (MATSUSHITA ELECTRIC WORKS LTD [JP]) 3 October 2007 (2007-10-03) * figures 4, 5 *	12,13	
X	US 5 462 557 A (JORDAN HERMANN [AT] ET AL) 31 October 1995 (1995-10-31) * column 5 - column 11; figures 2, 4A, 4B, 5 *	1-3	TECHNICAL FIELDS SEARCHED (IPC)
			A45D
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 29 September 2010	Examiner Ionescu, C
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
FR 2697977	A1	20-05-1994	DE	4334850	A1	19-05-1994

EP 1839522	A1	03-10-2007	CN	101044932	A	03-10-2007
			CN	201055074	Y	07-05-2008
			HK	1105845	A1	09-07-2010
			JP	2007260172	A	11-10-2007
			KR	20070097325	A	04-10-2007
			RU	2352231	C2	20-04-2009
			US	2007233159	A1	04-10-2007

US 5462557	A	31-10-1995	NONE			
