



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**10.09.2008 Bulletin 2008/37**

(51) Int Cl.:  
**B05B 17/06 (2006.01)**

(43) Date of publication A2:  
**30.04.2008 Bulletin 2008/18**

(21) Application number: **07004419.3**

(22) Date of filing: **03.03.2007**

(84) Designated Contracting States:  
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR**  
Designated Extension States:  
**AL BA HR MK RS**

(30) Priority: **25.10.2006 CN 200610137555**

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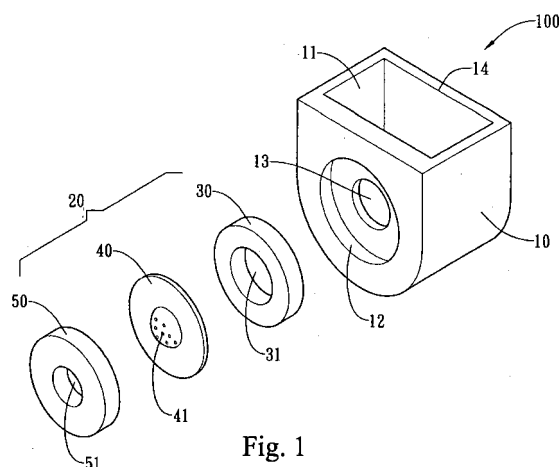
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(54) **Liquid atomizer**

(57) The present invention provides a liquid atomizer (20) for atomizing liquid and applied in an atomizing device (100) having an accommodating space (12) and a through hole (13). The liquid atomizer (20) includes a vibrating element (30) having a first hole (31) corresponding to the through hole (13); a spray plate (40) having a plurality of spraying holes (41) corresponding to the first hole (31) and being connected with the vibrating element (30); and a structure element (50) having a second hole (51) corresponding to the plurality of spraying holes (41) of the spray plate (40) and being connected with the spray plate (40) so that the spray plate (40) is disposed between the vibrating element (30) and the structure element (50). The vibrating element (30), the spray plate (40) and the structure element (50) are assembled in the accommodating space (12) of the atomizing device (100). Liquids are atomized via the spraying holes (41) of the spray plate (40).



**Fig. 1**



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 07 00 4419

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	W0 2006/066671 A (OREAL [FR]; DURU NICOLAS [FR]) 29 June 2006 (2006-06-29) * page 5, line 18 - page 13, line 9; figure 4 *	1-15	INV. B05B17/06
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			TECHNICAL FIELDS SEARCHED (IPC)
			B05B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 31 July 2008	Examiner Menn, Patrick
<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 ..... &amp; : member of the same patent family, corresponding document</p>			

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
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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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