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(71) Applicant: Industrial Technology Research Institute
Chu Tung Town, Hsin Chu Hsien (TW)

(72) Inventors:

- Wang, Liang-De
Sourth District
Tainan City 704 (TW)
- Wu, Tai-Feng
Yongkang City
Tainan County 710 (TW)

- Chen, Yi-Cheng
Jhonghe City
Taipei County 235 (TW)
- Wang, Yu-Ran
Banciao City
Taipei County 220 (TW)
- Yeh, Chien-Shien
Yongkang City
Tainan County 710 (TW)
- Shen, Sheng-Chih
Sinying City
Tainan County 730 (TW)

(74) Representative: Schwarz, Thomas et al
Charrier Rapp & Liebau,
Postfach 31 02 60
86063 Augsburg (DE)

(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).

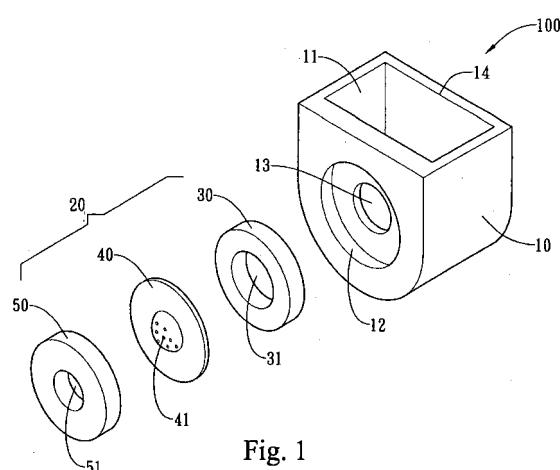


Fig. 1



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)										
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim											
X	WO 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										
X	US 2006/226253 A1 (WANG YU-RAN [TW] ET AL) 12 October 2006 (2006-10-12) * paragraphs [0010] - [0018]; figures 1,4,5 *	1-7											
			TECHNICAL FIELDS SEARCHED (IPC)										
			B05B										
2	The present search report has been drawn up for all claims												
2	Place of search The Hague	Date of completion of the search 31 July 2008	Examiner Menn, Patrick										
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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 07 00 4419

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. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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