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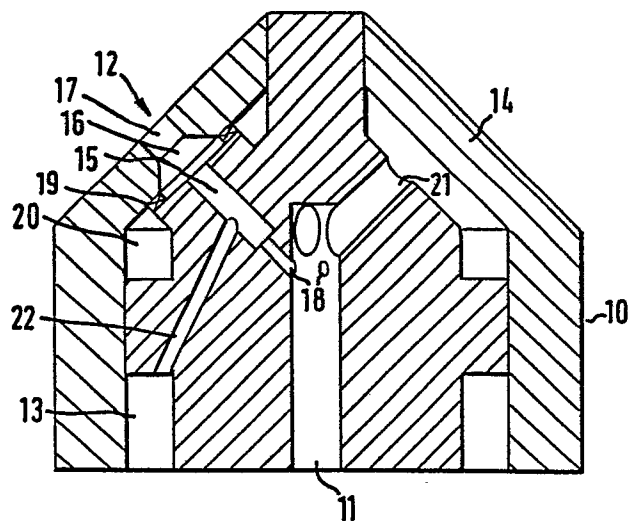
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54 **Mix atomizer.**

57 Mix atomizer for the atomization of a liquid with gas comprising a first mixing chamber (2) provided with inlet means for a liquid and primary gas (5, 6), and debouching into a second mixing chamber (3) being wider than the first mixing chamber (2), means (8) for tangentially supplying secondary gas around the mixture of liquid and primary gas from the first mixing chamber (2), the second mixing chamber (3) debouching in its turn into an outlet nozzle (4) being substantially narrower than the second mixing chamber (3).

The invention further relates to an apparatus provided with a plurality of such mix atomizers and having a common liquid supply channel and a common gas supply channel.





European Patent
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EUROPEAN SEARCH REPORT

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EP 83 20 1033

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
X	FR-A-1 245 788 (ROREP) * Page 2, column 2, lines 43-51; page 3, column 1, lines 30-43; figure 3 *	1-5	B 05 B 7/04 F 23 D 11/12
Y	---	5-10	
Y	US-A-3 072 344 (Mc KENZIE) * Column 3, line 36 - column 4, line 10; figure 1 *	5-10	
X	CH-A- 102 855 (HAAG) * Whole document *	1,2,4	
A	US-A-2 764 455 (SEIBEL) * Column 3, lines 15-40; figure VI*	1-3	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 21-01-1985	Examiner JUGUET
<div>CATEGORY OF CITED DOCUMENTS</div> <div>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</div> <div>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 & : member of the same patent family, corresponding document</div>			