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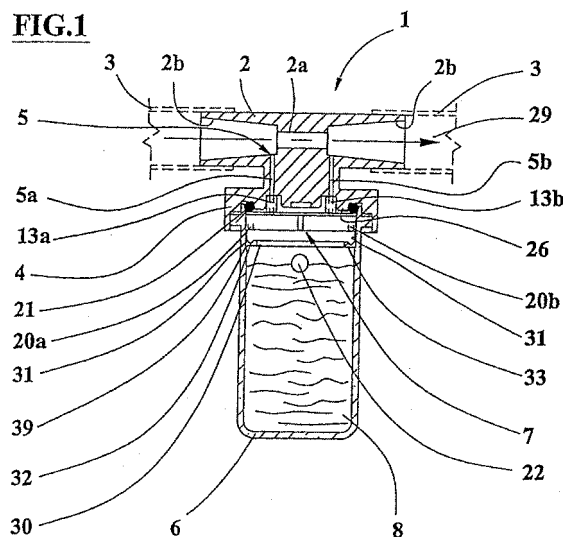
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(54) **Dosing device for a solution**

(57) A dosing device for a liquid (8) in a feeding fluid (29), particularly water, which flows into heating and/or vaporization circuits for sanitary or food use, both industrial and domestic, includes: a fitting (2), whose ends can be jointed to a feeding duct (3), provided with an inner throttling (2a) fit to create a depression in the fluid downstream the same duct; a closing element (4) associated to the fitting (2) and provided with a couple of regulating ducts (5) positioned in proximity of the opposite walls of said throttling (2a) and fit to connect the section of said fitting (2) with a container (6) of the liquid (8), provided with an upper opening removably closable by means of the closing element (4); diverter means (7), interposed between the closing element (4) and the container (6), fit to direct a predetermined fluid amount at first through an inlet path included between fitting (2) and container (6), through an inlet duct (5a), and afterwards to direct an equal amount of a mixture of fluid with liquid (8) through an outflow path included between the container (6) and the fitting (2), by means of an outflow flow (5b); a splashguard ring (30) below the diverter means (7) and fit to divert and to reduce the pressure force of the water spout coming from the inlet path of said diverter means (7) and directed towards the inside of the container (6).

The inlet and outflow paths of the diverter means (7) have a spiral shape, symmetrically and concentrically positioned and separated between them by means of a couple of spiral shaped coils (16) having a shared end.

FIG.1





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EUROPEAN SEARCH REPORT

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EP 01 10 6152

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	GB 800 279 A (DINTINO A L; MCNAIR H L) 20 August 1958 (1958-08-20) * page 1, lines 13-31 * * page 4, line 9 - page 6, line 65 * * page 14, line 51 - page 15, line 2 * * page 15, line 60 - page 17, line 8 * * claims 1-33; figures 1-3,9,11 *	1-15	B01F5/04 B01F1/00 F24D19/00
A	FR 2 048 359 A (KIRMANN R) 19 March 1971 (1971-03-19) * page 1, line 29 - page 3, line 25 * * claims 1-6; figures 1,2 *	1-15	
A	US 2 507 410 A (KEMP C T) 9 May 1950 (1950-05-09) * column 1, line 1 - column 3, line 47 * * claim 1; figures 1,2,4 *	1-15	
A	GB 936 956 A (GARWOOD R S; DEWEY E) 18 September 1963 (1963-09-18) * page 1, lines 13-36 * * page 1, line 79 - page 2, line 98 * * claims 1-9; figure 1 *	1-15	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 7 October 2004	Examiner Brunold, A
CATEGORY OF CITED DOCUMENTS 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 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			

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**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.
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