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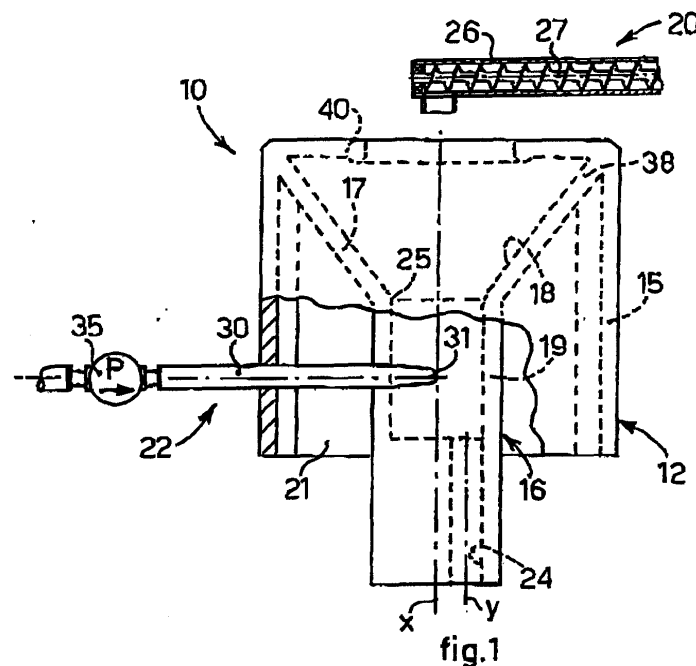
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(54) **Mixing device, and relative method, for mixing a substance with a pressurized fluid**

(57) Mixing device for mixing at least a substance and a fluid. The device comprises a container (12, 16) with a compartment (18), a first feeding member (20) to feed the substance from above into the compartment (18), a second feeding member (22) to feed the fluid into the compartment (18), and an outlet pipe (24), through which a mixture of the substance and the fluid emerges from the lower part of the compartment (18). The com-

partment (18) comprises at least a first part (17) having a gradual widening in section from the bottom towards the top. The second feeding member (22) is arranged in an intermediate zone between the first feeding member (20) and the outlet pipe (24) and is able to feed the fluid into the compartment (18) at a determinate pressure, so as to create a vortical motion upwards of the fluid in the first part (17), in a direction opposite that of the feed of the substance into the compartment (18).





DOCUMENTS CONSIDERED TO BE RELEVANT				
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X	EP 0 963 784 A (OHNARI H) 15 December 1999 (1999-12-15) * paragraphs [0042] - [0050] * * abstract; figures 1-11 *	1-16		
A	DE 37 30 617 A1 (BEINHUNDNER G) 30 March 1989 (1989-03-30) * abstract; figures 1,2 *	1-16		
A	DE 10 31 284 B (MAATSCHAPPIJ VOOR KOLENBEWERKING STAMICARBON N.V.) 4 June 1958 (1958-06-04) * column 1, lines 1-11 * * column 1, lines 31-34 * * column 2, lines 28-44 * * column 3, lines 1-30 * * figures 1,2 *	1-16		
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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 17 August 2005	Examiner Brunold, A	
<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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