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(54) **Abrasive-jet cutting system.**

(57) The novel system discloses both a batch operation and a continuous operation for supplying pressured liquid and a pressured slurry to an abrasive-jet cutting nozzle (22). In the batch operation, a single vessel (24) for receiving and pressuring slurry is provided and this vessel (24) goes off line, to be recharged with slurry, when it has disgorged its contents to the nozzle (22). In the continuous operation, a pair of such vessels (24, 24a) are provided, and one supplies the nozzle (22) with slurry while the other, having been emptied, is recharged with slurry; valves (32a, 40a) switch therebetween, to put a re-charged vessel on line, and an emptied one recharging, to maintain a continuous slurry input for the nozzle.

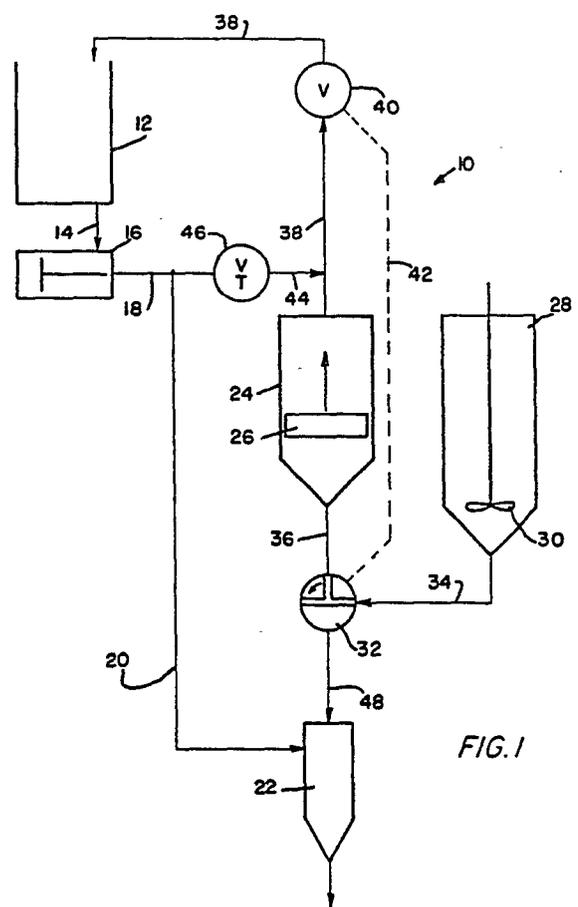


FIG. 1

EP 0 313 700 A3



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.5)
E	US-A-4 723 387 (KRASNOFF) * Whole document * ---	1-20	B 26 F 3/00 B 24 C 7/00
X	WO-A-8 702 290 (BRITISH HYDROMECHANICS) * Page 1, lines 7-22; page 1, line 27 - page 2, line 4; page 5, lines 22-27; page 6, lines 11-16,22-31; page 9, line 4 - page 11, line 33; figures 1,5 * ---	1-5,8, 13-15, 17,20	
A	US-A-4 037 992 (UCHIDA) * Column 1, lines 24-28; figure 8 * ---	6,7,16, 18	
A	US-A-3 815 286 (PIET) * Column 5, lines 18-34; figure 5 * -----	9,12	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B 26 F B 24 C B 05 B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 31-10-1989	Examiner HUGGINS J.D.
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			