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(54) **Procedure for the washing and composition control of abrasive pulps used in the cutting of granite and similar stones and relative apparatus.**

(57) The washing and composition control of an abrasive pulp, used in granite cutting and containing metallic grit with granulometry larger or finer than a predetermined value as well as granite dust, is conducted by means of a separation of said fractions in a tubular water-containing settler (4). A predetermined volume of pulp is weighed and then discharged into the settler (4). The collected grit of larger granulometry is weighed tracing back to its concentration in the pulp. The fine metallic grit can in turn be collected and weighed, and thereby recycled or disposed of along with the dust suspension and fine grit. A processor (23) provides for the numerical calculations and control of the processing procedure and of the restoration of fresh metallic grit.

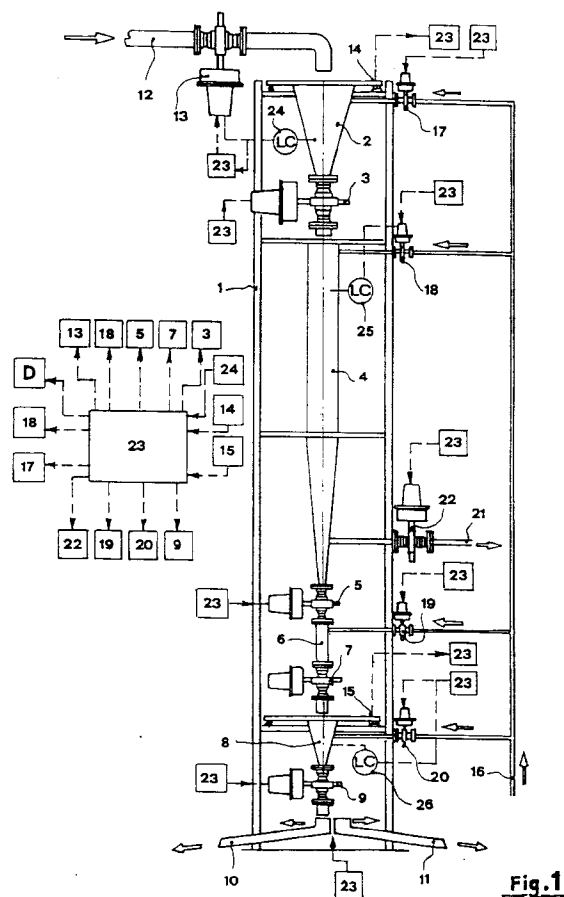


Fig.1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 91 83 0061

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)
A	US-A-4 762 422 (TONCELLI) * the whole document * ---	1, 3, 6, 7, 9	B28D1/02 B24B57/00 B24C7/00 B24C9/00
A	FR-A-1 263 257 (COMPAIGNE DE SAINT-GOBAIN) * page 2, column 2, line 10 - line 23; figure 2 * ---	8	
A	US-A-2 994 314 (H.E. WAYLAND ET AL) * figure 9 * ---	11	
A	DE-U-8 910 186 (SCHEIBLE) * page 3, paragraph 3 - page 4, last paragraph * * page 5, paragraph 3 - paragraph 4 * * page 6, paragraph 1 * * page 11, line 13 - line 15 * * page 11, line 24 - page 12, line 6 * * page 14, paragraph 1; figure * -----	12	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B24C B28D B24B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 11 AUGUST 1992	Examiner PETERSSON M.
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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