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01.04.92 Bulletin 92/14(71) Applicant: **SUNDS DEFIBRATOR JYLHÄ OY**

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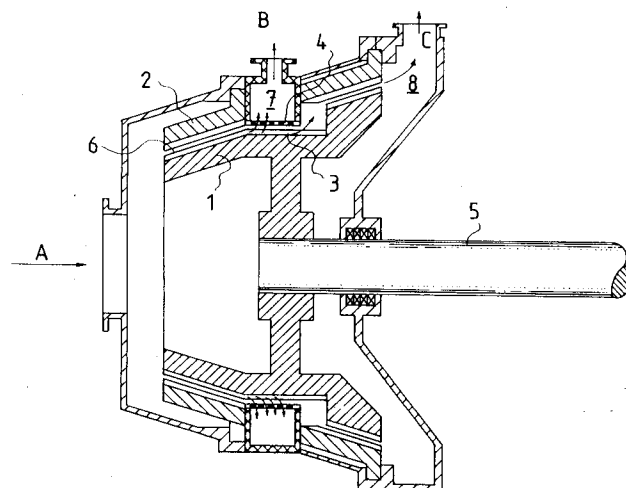
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(54) **Conical refiner.**

(57) A conical refiner for the refining of paper pulps or the like, comprising a stationary stator blade (2) and a rotating rotor blade (1), with a refining zone (6) formed between the blades so that one end of the refining zone opens to the pulp infeed side and the other end to the delivery side of the refiner. A drawback with currently used refiner constructions is that the pulp fed into the refiner is not refined uniformly, so that the pulp flowing out of the refiner contains both refined fibres and fines and unrefined fibres. In prior art, these have been screened only

after the refining. In the present invention, the refiner is provided with a screening unit (4, 7) working on the principle of a pressure screen, the screen plate (4) of the screening unit being of an essentially cylindrical form and coaxial with the refiner blades (1, 2), said screening unit being fixedly connected to the stator blade and located at a desired point in the direction of the pulp flow. The rotor blade (1) has a cylindrical shape in the region of the pressure screen (4, 7) and is provided with a component (3) producing the driving power for the pressure screen.

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EUROPEAN SEARCH REPORT

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EP 90 85 0323

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)
Y	WO-A-8 800 992 (SUNDS DEFIBRATOR AB) * the whole document * * - - -	1-3,5	D 21 D 1/22
Y	EP-A-0 273 018 (SUNDS DEFIBRATOR JYLHÄ OY) * the whole document * * - - -	1-3,5	
A	WO-A-8 803 189 (SUNDS DEFIBRATOR JYLHÄ OY) * the whole document * * - - - - -	1-3,5	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			D 21 D
Place of search		Date of completion of search	Examiner
The Hague		24 January 92	DE RIJCK F.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone		E : earlier patent document, but published on, or after the filing date	
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