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(54) **Cutter head for dredging device, in particular for cutter suction dredgers.**

(57) Cutter head for a suction dredger, comprising:  
a first and a second disc-shaped plate (2,24), being  
spaced from each other along a cutter head axis and  
defining an interspace between them; cutting means  
with a plurality of blades (25) disposed in a  
peripheral zone located on the radial outer zone of  
said interspace and spaced from each other in the  
peripheral direction, said blades defining between  
them apertures for allowing material cut by the

blades to pass to said interspace, wherein said cut-  
ting means are arranged for rotation about said cut-  
ter head axis with respect to stationary parts of said  
cutter head; and discharge means (23) for discharg-  
ing the material present in said interspace through a  
suction line. The cutter head comprises shielding  
means acting in at least the radial direction and  
pertaining to the stationary parts, such as e.g. an  
outer sleeve provided with a controllable aperture.

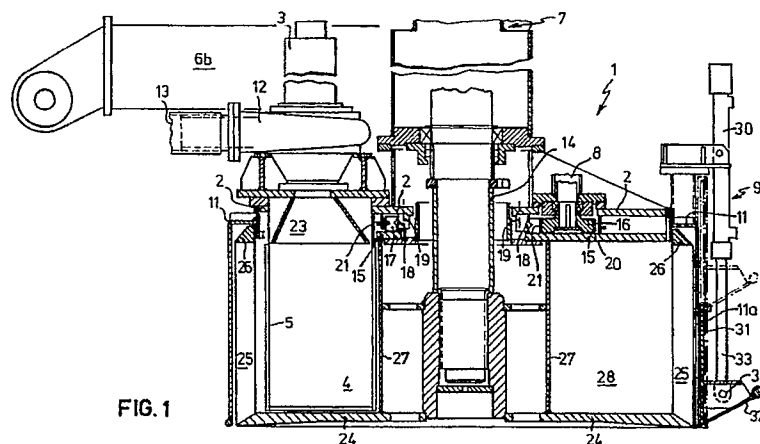


FIG. 1

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## EUROPEAN SEARCH REPORT

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**EP 90 20 2889**

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)
X	PATENT ABSTRACTS OF JAPAN, vol. 8, no. 5 (M-267)[1442], 11th January 1984; & JP-A-58 168 731 (GOYOU KENSTSU) 05-10-1983 -- --	1-5,9	E 02 F 3/92
Y	IDEM -- --	10,11,13	
Y	GB-A-2 020 717 (REBA) * The whole document * -- --	10,11,13	
A	NL-A-7 013 543 (BOS & KALIS) -- --		
A	NL-C-4 100 9 (SMIT) -- -- --		
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of search 04 July 91	Examiner DE SCHEPPER H.P.H.
<div>CATEGORY OF CITED DOCUMENTS</div> <div>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</div> <div>E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons ----- &amp;: member of the same patent family, corresponding document</div>			