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Apparatus for removing water from the ground.

An apparatus for removing water from the ground comprises at least one ground-engaging drum (10) including a hollow cylinder (11) mounted for rotation about a substantially horizontal axis, and a plurality of recesses (13) substantially parallel to the rotational axis of the cylinder formed in the outer surface of the cylinder around the periphery thereof. A non-porous sheet (14) of resilient material covers the outer surface of the cylinder, and a plurality of slits (15) are cut in the covering sheet over the recesses in the cylinder. The slits are normally closed but are capable of opening under the pressure of water (21) built up in front of the drum, as the latter is moved across the ground, to permit such water to enter the recesses (13) in the region of ground contact. The slits close away from the region of ground contact to retain the water in the recesses, and apertures (16) in the recesses permit water retained therein to discharge into the interior of the cylinder at a certain height within the cylinder for collection in a water tank (17) within the cylinder.

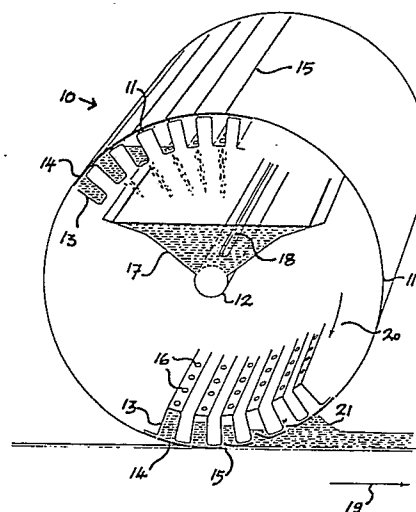


Fig. 1.



EP 88 30 9023

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. 4)
D,A	EP-A-0 120 656 (McLAUGHLIN) * Whole document * ---	1,8	E 01 H 1/00 // E 01 H 1:10
A	EP-A-0 031 112 (MESSNER) * Whole document * ---	1,8,9	
A	BE-A- 698 357 (KRÄMLING) * Page 4, lines 10-16; figures * -----	1,6	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			E 01 H A 47 L
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 16-05-1989	Examiner DIJKSTRA G.
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</div><div>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</div></div>			