

Title (en)
APPARATUS FOR REMOVING WATER FROM THE GROUND

Publication
EP 0310374 A3 19890809 (EN)

Application
EP 88309023 A 19880929

Priority
IE 112887 A 19870506

Abstract (en)
[origin: EP0310374A2] 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.

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E01H 1/00

IPC 8 full level
E01H 1/00 (2006.01); **E01H 1/10** (2006.01)

CPC (source: EP)
E01H 1/108 (2013.01)

Citation (search report)

- [AD] EP 0120656 A1 19841003 - MCLAUGHLIN HUGH ROGERS
- [A] EP 0031112 A1 19810701 - MESSNER FRANZ [AT], et al
- [A] BE 698357 A 19671016

Cited by
CN102859073A; CN115821831A

Designated contracting state (EPC)
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EP 0310374 A2 19890405; EP 0310374 A3 19890809; AU 2295688 A 19890406; IE 871128 L 19881106; JP H0258611 A 19900227; NZ 226336 A 19891221

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