

Title (en)

Apparatus for putting an impervious layer in the ground.

Title (de)

Vorrichtung zum Einbringen einer wasserundurchlässigen Schicht ins Erdreich.

Title (fr)

Dispositif pour la mise en place d'une couche imperméable dans le sol.

Publication

**EP 0225963 A1 19870624 (DE)**

Application

**EP 86109427 A 19860710**

Priority

DE 3545207 A 19851220

Abstract (en)

1. A device for producing an impervious layer (6) in the ground (2), more particularly underneath a refuse tip (3), in which mutually parallel tunnels (4) used for drainage purposes are installed in the ground (2), a propulsion device spanning the space between adjacent tunnels (4) is moved through the ground (2) by means of motorised drives along the tunnel (4), said device is supported during this on the tunnels (4) and on its rear side the impervious layer (6) is produced in the ground (2), characterised in that the propulsion device is a driving shield (9), which, with its motorised drives, engages in longitudinal gear racks (8) on the tunnels (4), the driving shield (9) is constructed in an upward arc and with double walls behind its point (10) and the rear (15) of the driving shield (9) is constructed open for the removal of the material forming the impervious layer (6).

Abstract (de)

Zur Sanierung einer Mülldeponie (3) werden unterhalb der Deponie (3) parallel zueinander verlaufende Vorpresstunnel (4) eingebracht. Zwischen jeweils zwei benachbarten Vorpresstunneln (4) wird ein Vortriebsschild angesetzt, das sich längs dieser Tunnel (4) durch das Erdreich (2) bewegt und hinter dem eine wasserundurchlässige Schicht (6) eingebracht wird, welche die beiden benachbarten Tunnel (4) überspannt.

IPC 1-7

**E02D 31/00**

IPC 8 full level

**E02D 31/00** (2006.01)

CPC (source: EP)

**E02D 31/006** (2013.01)

Citation (search report)

- [X] DE 3407382 A1 19850829 - ZUEBLIN AG [DE]
- [A] DE 3330897 A1 19850321 - GKN KELLER GMBH [DE]
- [A] DE 3409591 A1 19850919 - DYCKERHOFF & WIDMANN AG [DE]

Cited by

DE3841403A1; EP0569691A1

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