

Title (en)

PROCESS FOR SEALING OFF GROUND SITES AND DEVICE FOR CARRYING OUT THIS PROCESS

Title (de)

VERFAHREN ZUR ABDICHTUNG VON BODENKÖRPERN UND VORRICHTUNG ZUR DURCHFÜHRUNG DIESES VERFAHRENS

Title (fr)

PROCEDE PERMETTANT DE RENDRE DES MASSIFS DE TERRE ETANCHES ET DISPOSITIF DE MISE EN OEUVRE DUDIT PROCEDE

Publication

**EP 0690942 B2 19991006 (DE)**

Application

**EP 94915557 A 19940428**

Priority

- DE 4313994 A 19930428
- DE 4335290 A 19931015
- EP 9401352 W 19940428

Abstract (en)

[origin: DE4335290A1] The invention relates to a method of sealing soil bodies (1), in particular landfill sites, old deposits, pipelines or the like, or even foundation pits to be constructed, with the use of sealing substances. In this method, at least one borehole (2) is driven under the soil body (1) from the surface outside the soil body (1) by means of a fully path-controlled drilling method and in the process the sealing substance is injected into the surrounding soil area of the borehole (2). To carry out the method, nozzles for injecting the sealing substance into the ground are arranged on the controllable, remotely guided drilling head. <IMAGE>

IPC 1-7

**E02D 31/00**; **E02D 19/16**; **E21B 7/06**; **E21B 7/18**; **E21B 21/14**

IPC 8 full level

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CPC (source: EP)

**E02D 31/00** (2013.01); **E02D 31/006** (2013.01); **E21B 33/138** (2013.01)

Citation (opposition)

Opponent :

- DE 3722270 A1 19880211 - BILFINGER BERGER BAU [DE]
- DE 4033884 C1 19911002

Cited by

CN115726817A; CN109797780A; CN116906055A

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**DE 4335290 A1 19950406**; **DE 4335290 C2 19990311**; CA 2161779 A1 19941110; DE 59401546 D1 19970220; DK 0690942 T3 19970512; DK 0690942 T4 20000103; EP 0690942 A1 19960110; EP 0690942 B1 19970108; EP 0690942 B2 19991006; RU 2129191 C1 19990420

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**DE 4335290 A 19931015**; CA 2161779 A 19940428; DE 59401546 T 19940428; DK 94915557 T 19940428; EP 94915557 A 19940428; RU 95120570 A 19940428