

Title (en)

Improvements in or relating to pipelines for drainage

Title (de)

Verbesserungen von oder in Bezug zu Drainagerohren

Title (fr)

Améliorations sur/ou concernant des tuyaux de drainage

Publication

EP 2148010 A3 20101124 (EN)

Application

EP 09175828 A 20060602

Priority

- EP 06252882 A 20060602
- GB 0511324 A 20050603

Abstract (en)

[origin: EP1728929A2] A method of repairing an underground drainage pipe, conduit or passageway (12, 142), by inserting a liner (40, 144) and then launching a pipeline pig (10, 110) through the pipe which simultaneously creates multiple holes (60) through the liner (40, 144) and the pipe wall (24). The pipeline pig (10, 110) is also described having a number of cutting elements (54, 148) arranged substantially symmetrically about a central axis (52) which can be extended to drill or jet through the liner (40, 144) and wall (24). Existing conduits are thus made selectively permeable.

IPC 8 full level

E02B 11/00 (2006.01)

CPC (source: EP)

E02B 11/005 (2013.01)

Citation (search report)

[A] EP 0172307 A2 19860226 - INSITUFORM GROUP LTD [GB]

Cited by

JP2019507553A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1728929 A2 20061206; EP 1728929 A3 20070207; EP 1728929 B1 20100804; AT E476556 T1 20100815; DE 602006015880 D1 20100916; EP 2148010 A2 20100127; EP 2148010 A3 20101124; GB 0511324 D0 20050713

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EP 06252882 A 20060602; AT 06252882 T 20060602; DE 602006015880 T 20060602; EP 09175828 A 20060602; GB 0511324 A 20050603