

Title (en)

METHOD OF REHABILITATING AN EXISTING PIPELINE

Title (de)

VERFAHREN ZUM AUSKLEIDEN EINES BESTEHENDEN ROHRES

Title (fr)

PROCEDE DE REHABILITATION D'UNE CANALISATION EXISTANTE

Publication

EP 1015805 A4 20030402 (EN)

Application

EP 98922520 A 19980526

Priority

- AU 9800388 W 19980526
- AU PO695497 A 19970526

Abstract (en)

[origin: WO9854509A1] The method is related to the rehabilitation of an existing pipeline in-situ, where the pipeline has a first end (1) and a second end (4), the method including the following steps: (a) forming a tubular liner (6) of a generally absorbent material; (b) feeding at least one expandable bladder (3) into the liner (6), the bladder having an open end (14) and a sealed end (5); (c) impregnating the liner (6) with a cold curable resin; (d) coating an external surface of the liner (6) and/or the internal surface of the pipeline to be rehabilitated with a water resistance adhesive coating; (e) feeding the liner into the first end (1) of the pipeline together with its associated bladder (3); (f) inserting a rod (2) into the bladder (3) to engage the sealed end (5); (g) forcing the liner (6) and the associated bladder (3) toward the second end (4) of the pipeline from the first end (1) such that the open end (14) and the sealed end (5) of the bladder (3) are adjacent the first and second ends (1, 4) respectively; (h) inflating the bladder (3) from the open end (14) with a gaseous fluid to force the liner (6) against the internal wall of the pipeline; and (i) maintaining the inflation until the resin impregnated liner has cured.

IPC 1-7

F16L 55/162; B29C 63/28; B29C 63/34; F16L 55/165; F16L 58/10

IPC 8 full level

B29C 63/34 (2006.01); **F16L 55/16** (2006.01); **F16L 55/165** (2006.01)

CPC (source: EP)

F16L 55/1652 (2013.01)

Citation (search report)

- [A] WO 9606300 A1 19960229 - LMK ENTERPRISES [US]
- See references of WO 9854509A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9854509 A1 19981203; AU PO695497 A0 19970612; EP 1015805 A1 20000705; EP 1015805 A4 20030402; JP 2002507157 A 20020305; NZ 501983 A 20010330

DOCDB simple family (application)

AU 9800388 W 19980526; AU PO695497 A 19970526; EP 98922520 A 19980526; JP 50001099 A 19980526; NZ 50198398 A 19980526