

Title (en)
APPARATUS FOR AND METHOD OF LINING CONDUITS

Title (de)
VORRICHTUNG UND VERFAHREN ZUM AUSKLEIDEN VON LEITUNGEN

Title (fr)
APPAREIL ET PROCEDE DE GARNISSAGE DE CONDUITES

Publication
EP 1534989 A4 20070117 (EN)

Application
EP 03790569 A 20030902

Priority

- AU 0301131 W 20030902
- AU 2002951397 A 20020902
- AU 2003902374 A 20030516

Abstract (en)
[origin: WO2004020893A1] Apparatus (10) for lining an internal surface of a pipeline (15) or other conduit. The apparatus (10) comprises an installation head (21) which is progressively moved along the pipeline (15) for installing a flexible liner (11) onto the interior surface (13) of the pipeline (15). The flexible liner (11) comprises a tube structure (17) undergoing eversion within the pipeline (15). The tube structure (17) comprises a resin absorbent material. The installation head (21) has a contact surface (23) against which the tube structure (17) acts during eversion thereof, the contact surface (23) having means for delivery of a curable resin to the everting portion of the tube. The installation head (21) advances along the pipeline (15) under the influence of a driving force comprising (at least in part) pressure applied to the installation head (21) through the everting tube structure (17).

IPC 8 full level
F16L 55/16 (2006.01); **F16L 55/165** (2006.01); **B29C 63/34** (2006.01); **B29C 63/36** (2006.01); **F16L 1/00** (2006.01)

CPC (source: EP)
B29C 63/36 (2013.01); **F16L 55/1651** (2013.01)

Citation (search report)

- [X] US 4764237 A 19880816 - SHISHKIN VIKTOR V [SU], et al
- [X] JP H04161325 A 19920604 - OSAKA GAS CO LTD
- [X] US 4936707 A 19900626 - SHISHKIN VIKTOR V [SU], et al
- [DX] EP 0082212 A1 19830629 - INSITUFORM INT INC [BM]
- [X] US 4456401 A 19840626 - WILLIAMS AUGUSTUS [US]
- [XA] WO 9012241 A1 19901018 - INSITUFORM GROUP LTD [GB]
- [DX] WO 0188338 A1 20011122 - SORD TECHNOLOGIES LTD [AU], et al
- [X] EP 0301895 A1 19890201 - ANGUS FIRE ARMOUR LTD [GB]
- [X] WO 9704269 A1 19970206 - POLYTECH RESEARCH & DEV LIMITE [GB], et al
- [X] FR 2503622 A1 19821015 - LAURENT JACQUES [FR]
- See references of WO 2004020893A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004020893 A1 20040311; CA 2497285 A1 20040311; EP 1534989 A1 20050601; EP 1534989 A4 20070117; JP 2005537150 A 20051208; JP 4444829 B2 20100331; NZ 538556 A 20071221; NZ 562503 A 20090430

DOCDB simple family (application)
AU 0301131 W 20030902; CA 2497285 A 20030902; EP 03790569 A 20030902; JP 2004531306 A 20030902; NZ 53855603 A 20030902; NZ 56250303 A 20030902