

Title (en)

METHOD FOR INSTALLING AT LEAST ONE PIPE LINE AND/OR AN EMPTY CONDUIT IN SUPPLY AND SANITATION PIPES WHICH HAVE ALREADY BEEN LAID, ESPECIALLY IN SEWER PIPE SYSTEMS OR NETWORKS AND SIMILAR

Title (de)

VERFAHREN ZUR INSTALLATION MINDESTENS EINER LEITUNG UND/ODER EINES LEERROHRS IN VERLEGTE, ZUR VERSORGUNG ODER ENTSORGUNG DIENENDEN ROHREN, INSBESONDE KANALROHR-SYSTEMEN ODER -NETZEN UND DERGLEICHEN

Title (fr)

PROCEDE POUR INSTALLER AU MOINS UNE CONDUITE ET/OU UN TUYAU VIDE DANS DES TUYAUX POSES SERVANT A L'ALIMENTATION OU A L'ELIMINATION, NOTAMMENT DANS DES SYSTEMES OU DES RESEAUX DE CANALISATIONS TUBULAIRES

Publication

EP 1090448 A1 20010411 (DE)

Application

EP 99929141 A 19990604

Priority

- DE 19825325 A 19980605
- DE 19847785 A 19981016
- DE 19921382 A 19990510
- EP 9903874 W 19990604

Abstract (en)

[origin: WO9965129A1] The invention relates to a method for installing at least one pipe line and/or an empty conduit (2) in supply and sanitation pipes (1) which have already been laid, especially in sewer pipe systems or networks and similar. According to said method, the pipe lines and/or empty conduits being laid are introduced into the pipe (1) and fixed to its wall. The invention is characterised in that a tube- or hose-shaped inner lining (3, 16) is inserted/drawn into the pipe which is already laid and at least one flexible empty conduit and/or a pipeline (2) are arranged in the area of its outer surface.

IPC 1-7

H02G 9/06; H02G 1/08

IPC 8 full level

F16L 55/165 (2006.01); **G02B 6/44** (2006.01); **G02B 6/50** (2006.01); **H02G 1/08** (2006.01); **H02G 9/06** (2006.01)

CPC (source: EP)

F16L 55/1652 (2013.01); **G02B 6/4459** (2013.01); **G02B 6/50** (2013.01); **G02B 6/508** (2013.01); **H02G 1/08** (2013.01); **H02G 9/06** (2013.01)

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 9965129 A1 19991216; AU 4605799 A 19991230; BR 9911623 A 20010206; CA 2334017 A1 19991216; CN 1304573 A 20010718; CZ 20004512 A3 20010613; CZ 292760 B6 20031217; EP 1090448 A1 20010411; HU P0102937 A2 20011228; HU P0102937 A3 20020228; ID 28348 A 20010517; IL 139833 A0 20020210; JP 2002518968 A 20020625; NO 20006162 D0 20001204; NO 20006162 L 20001204; PL 344684 A1 20011119; RO 120228 B1 20051028; SK 18032000 A3 20010611; SK 286292 B6 20080707

DOCDB simple family (application)

EP 9903874 W 19990604; AU 4605799 A 19990604; BR 9911623 A 19990604; CA 2334017 A 19990604; CN 99807045 A 19990604; CZ 20004512 A 19990604; EP 99929141 A 19990604; HU P0102937 A 19990604; ID 20002540 A 19990604; IL 13983399 A 19990604; JP 2000554039 A 19990604; NO 20006162 A 20001204; PL 34468499 A 19990604; RO 200001197 A 19990604; SK 18032000 A 19990604