

Title (en)

DEVICE FOR RENOVATING DAMAGED LINE WALLS, COMPRISING A HEATING DEVICE FOR QUICKLY CURING THE RENOVATION COMPOUND

Title (de)

VORRICHTUNG ZUM SANIEREN VON SCHADHAFTEN LEITUNGSWANDUNGEN MIT EINER HEIZEINRICHTUNG ZUM SCHNELLEREN AUSHÄRTEN DER SANIERUNGSMASSE

Title (fr)

DISPOSITIF DE RÉNOVATION DE PAROIS DE CONDUITE ENDOMMAGÉES COMPRENANT UN SYSTÈME DE CHAUFFAGE POUR LE DURCISSEMENT PLUS RAPIDE DE LA MATIÈRE DE RÉNOVATION

Publication

EP 3622212 A1 20200318 (DE)

Application

EP 18729025 A 20180509

Priority

- DE 102017109980 A 20170509
- DE 2018100448 W 20180509

Abstract (en)

[origin: WO2018206055A1] The invention relates to a device (1) for renovating damaged line walls in the region of the connection of an auxiliary line to a main line, comprising a movable support element, wherein a cover element (3) and an expandable element (5) are arranged on the support element. In the non-expanded state, the expandable element is positioned or can be positioned in the auxiliary line at least partly in or through a first recess (7) in the cover element, and in the expanded state, the expandable element lies against the wall of the auxiliary line such that the cover element and the expandable element together form a shell. The cover element has a second recess (11), through which a curable viscous renovation compound can be introduced from a storage device into the space between the shell and the main and auxiliary line walls adjoining the shell by means of a transport means. The device comprises a heating device which is integrated into the cover element, the storage device, and/or the transport means at least in the region of the second recess and/or is operatively connected to the cover element, the storage device, and/or the transport means at least in the region of the second recess.

IPC 8 full level

E03F 3/06 (2006.01); **F16L 55/179** (2006.01)

CPC (source: EP US)

F16L 55/1003 (2013.01 - US); **F16L 55/134** (2013.01 - US); **F16L 55/1645** (2013.01 - US); **F16L 55/179** (2013.01 - EP); **E03F 2003/065** (2013.01 - EP)

Citation (search report)

See references of WO 2018206055A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102017109980 A1 20181115; EP 3622212 A1 20200318; US 11287075 B2 20220329; US 2021148501 A1 20210520; WO 2018206055 A1 20181115

DOCDB simple family (application)

DE 102017109980 A 20170509; DE 2018100448 W 20180509; EP 18729025 A 20180509; US 201816611931 A 20180509