

Title (en)  
METHOD FOR RENOVATING DAMAGED LINE WALLS IN THE REGION OF THE CONNECTION OF AN AUXILIARY LINE TO A MAIN LINE

Title (de)  
VERFAHREN ZUM SANIEREN VON SCHADHAFTEN LEITUNGSWANDUNGEN IM BEREICH DES ANSCHLUSSES EINER NEBENLEITUNG AN EINE HAUPTLEITUNG

Title (fr)  
PROCÉDÉ DE RÉNOVATION DE PAROIS DE CONDUITE ENDOMMAGÉES DANS LA ZONE DU RACCORDEMENT D'UNE CONDUITE SECONDAIRE À UNE CONDUITE PRINCIPALE

Publication  
**EP 3881001 A1 20210922 (DE)**

Application  
**EP 18847266 A 20181115**

Priority  
DE 2018100936 W 20181115

Abstract (en)  
[origin: WO2020098847A1] The present invention relates to a method for renovating damaged line walls in the region of the connection of an auxiliary line to a main line, comprising the following steps, particularly in this sequence: a) providing an assembly comprising a movable support element, wherein a cover element, having a variable outer diameter, and an expandable element are arranged on the support element; b) moving the support element to the region, comprising the main line and the secondary line, to be renovated; c) expanding the cover element until it lies against the inner wall of the main line, wherein the expandable element is arranged in a first recess of the cover element before and/or at least partially during expansion of the expandable element; d) expanding the expandable element such that the expandable element, in the expanded state, lies against the wall of the auxiliary line such that the cover element and the expandable element together create formwork; e) positioning a transport means for a renovation compound at the second recess of the cover element; and f) introducing, from a storage device, the curable, viscous renovation compound into the space between the formwork and the main and secondary line walls adjoining the formwork by means of the transport means.

IPC 8 full level  
**F16L 55/1645** (2006.01); **F16L 55/179** (2006.01)

CPC (source: EP US)  
**F16L 55/16455** (2013.01 - EP US); **F16L 55/179** (2013.01 - EP US)

Citation (search report)  
See references of WO 2020098847A1

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)  
**WO 2020098847 A1 20200522**; EP 3881001 A1 20210922; US 2022010913 A1 20220113

DOCDB simple family (application)  
**DE 2018100936 W 20181115**; EP 18847266 A 20181115; US 201817294452 A 20181115