

Title (en)

A METHOD FOR COATING AN INNER SURFACE OF A TUBE WITH A CUREABLE LAYER

Title (de)

VERFAHREN ZUM BESCHICHTEN EINER INNENFLÄCHE EINES ROHRS MIT EINER AUSHÄRTBAREN SCHICHT

Title (fr)

PROCEDE DE REVETEMENT D'UNE SURFACE INTERNE D'UN TUBE A COUCHE DURCISSABLE

Publication

EP 1691933 B1 20100324 (EN)

Application

EP 04800354 A 20041118

Priority

- SE 2004001692 W 20041118
- SE 0303081 A 20031120

Abstract (en)

[origin: WO2005049220A1] The present invention comprises a method for allowing to coat the inner surface (22a) or wall portion of a pipe (22) with a cured solid material layer (M5) as a lining upon the utilization of an arrangement (1) led axially through the interior of the pipe and having an appurtenant nozzle (1a), through which nozzle, by means of a rotatably arranged disc (2), viscous material portions (M3a) are thrown in order to allowing to form, on individual wall sections (22a'), a viscous layer (M4) of a plastic material or a reinforced plastic material, depending on the axially directed motion and the speed of the arrangement (1) and the nozzle (1a) through the interior of the pipe and the size of the pipe. Subsequent to the application against the wall portion, (22a') the plastic material (M4) is allowed to cure time-wise to said solid material layer (M5) as lining. The radius of the disc (2) to said edge or border (2b) and a circumferential speed (v) given to the disc (2) are adapted mutually so that the centrifugal force of a material portion (M3a) thrown out will have a theoretical value that falls between "m x 1 500" and "m x 80 000" N, where "m" intends to represent the mass of the material portion (M3a).

IPC 8 full level

B05B 13/06 (2006.01); **B05B 3/10** (2006.01); **B05C 7/08** (2006.01)

IPC 8 main group level

B05B (2006.01)

CPC (source: EP SE)

B05B 3/1021 (2013.01 - EP SE); **B05B 13/0636** (2013.01 - EP SE); **B05C 7/08** (2013.01 - SE)

Cited by

RU2633923C1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005049220 A1 20050602; **WO 2005049220 B1 20060202**; AT E461755 T1 20100415; DE 602004026215 D1 20100506; DK 1691933 T3 20100531; EP 1691933 A1 20060823; EP 1691933 B1 20100324; ES 2339863 T3 20100526; NO 20062859 L 20060818; PL 1691933 T3 20100831; SE 0303081 D0 20031120; SE 0303081 L 20050521; SE 526318 C2 20050823; SE 526318 E 20110329

DOCDB simple family (application)

SE 2004001692 W 20041118; AT 04800354 T 20041118; DE 602004026215 T 20041118; DK 04800354 T 20041118; EP 04800354 A 20041118; ES 04800354 T 20041118; NO 20062859 A 20060619; PL 04800354 T 20041118; SE 0303081 A 20031120