

Title (en)

A device for applying an internal coating in tubes

Title (de)

Vorrichtung zum Aufbringen einer Innenbeschichtung in Rohren

Title (fr)

Dispositif d'application d'un revêtement intérieur de tuyaux

Publication

**EP 2230021 A1 20100922 (EN)**

Application

**EP 09155432 A 20090318**

Priority

EP 09155432 A 20090318

Abstract (en)

A device for applying an internal coating in tubes comprises a nozzle (16), a mixing casing (12) arranged in connection with the nozzle and configured to receive at least two coating material components. Driving means intended to be located outside the tube to be coated and configured to drive an elongated flexible member (18) to rotate also causes said nozzle to rotate by being connected to said flexible member while throwing said coating material substantially radially outwards towards inner walls of the tube. Mixing members (28, 29) inside a mixing compartment (24) of the mixing casing are brought to carry out a stirring movement inside said compartment for mixing the coating material components arriving thereto to a substantially homogenous mixture, which is drained to said nozzle.

IPC 8 full level

**B05B 3/10** (2006.01); **B05B 13/06** (2006.01)

CPC (source: EP)

**B05B 3/1014** (2013.01); **B05B 3/1057** (2013.01); **B05B 13/0636** (2013.01)

Citation (applicant)

- US 4216738 A 19800812 - MUTA NATSUO [JP]
- US 4950356 A 19900821 - GRACE JOHN C [GB]
- GB 2160289 A 19851218 - BRITISH GAS CORP
- WO 9701724 A1 19970116 - EDSTROEM STEN [SE]

Citation (search report)

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- [A] US 3233580 A 19660208 - LEVAKE RICHARD N
- [A] US 4950356 A 19900821 - GRACE JOHN C [GB]
- [A] EP 0781606 A2 19970702 - AMEC UTILITIES LTD [GB], et al

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EP3231517A1; WO2013095143A1; NL2008027C2; RU2616926C1; EP3615225A4; CN106714980A; US2021162447A1; US11607705B2; CN117225627A; US10456804B2; US9757766B2

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 09155432 A 20090318**; CY 121101001 T 20121023; DK 09155432 T 20090318; ES 09155432 T 20090318; HR P20120842 T 20121019; PL 09155432 T 20090318; PT 09155432 T 20090318; SI 200930369 T 20090318