

Title (en)

Method and device for applying a liquid to a rope

Title (de)

Verfahren und Vorrichtung zum Auftragen einer Flüssigkeit auf ein Seil

Title (fr)

Procédé et dispositif d'application d'un liquide sur une corde

Publication

**EP 2325394 B2 20231011 (DE)**

Application

**EP 10191024 A 20101112**

Priority

DE 102009052829 A 20091113

Abstract (en)

[origin: EP2325394A2] The method involves passing a rope (1) by a device (2) i.e. inspection device, having three wheels (3), which are connected with the rope in a form-fit manner. One of the wheels is propelled by a motor such that the device is movable at the rope. The motor is controlled such that the device repeatedly starts at the rope at predetermined positions. Fluid is temporarily applied in portions on the rope by spraying and mixing of components on a rope surface with short temporal distance in a blender (4) i.e. passage-pipe blender, brushing and rolling. An independent claim is also included for a device for applying fluid on a rope.

IPC 8 full level

**E01D 19/16** (2006.01)

CPC (source: EP)

**D07B 7/12** (2013.01); **E01D 19/106** (2013.01); **E01D 22/00** (2013.01); **D07B 2501/203** (2013.01)

Citation (opposition)

Opponent :

- DE 102008049942 A1 20100408 - DIAGNOSE UND INGENIEURGESELLSC [DE]
- EP 2172593 A2 20100407 - DIAGNOSE UND INGENIEURGESELLSC [DE]
- DE 202005020287 U1 20060601 - ALPIN TECHNIK UND INGENIEURSER [DE]
- US 6494141 B2 20021217 - MONTAMBAULT SERGE [CA], et al
- US 4169427 A 19791002 - CRUMP DESMOND G [AU], et al
- US 4106436 A 19780815 - BOOKER LESLIE L
- Fengyu Xu, Xingsong Wang: "Design and Experiments on a New Wheel-Based Cable Climbing Robot" Proceedings of the 2008 IE-EE/ASME Xi'an. China. 2-5 07.2008, p 418-423

Cited by

CN117107630A; CN103806377A; CN105019383A; CN105088976A; WO2013030122A1

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

DOCDB simple family (publication)

**EP 2325394 A2 20110525; EP 2325394 A3 20160713; EP 2325394 B1 20180124; EP 2325394 B2 20231011**; DE 102009052829 A1 20110519; DE 202010017969 U1 20130822; DK 2325394 T3 20180507; DK 2325394 T4 20231113; NO 2325394 T3 20180623

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