

Title (en)

HIGH-SPEED WIRE COATING DEVICE AND METHOD

Title (de)

VORRICHTUNG UND VERFAHREN ZUR SCHNELLEN DRAHTUMMANTELUNG

Title (fr)

DISPOSITIF ET PROCEDE D'ENDUCTION D'UN FIL A GRANDE VITESSE

Publication

EP 2313546 A1 20110427 (FR)

Application

EP 09753907 A 20090527

Priority

- EP 2009056466 W 20090527
- FR 0853572 A 20080530

Abstract (en)

[origin: WO2009144252A1] Device for continuously depositing a treatment substance (20) on the surface of a wire (10), comprising: impregnation means (2) for impregnating by dipping the wire into a bath intended to contain a solution of the treatment substance in liquid form (20), through which bath the wire runs when the device is in operation; draining means (3) placed downstream of the impregnation means (2), capable of removing the excess liquid (22) entrained by the wire; treatment means (4) placed downstream of the draining means (3), capable of making the liquid solution remaining on the wire solidified; and means (51, 52, 53, 54) for guiding and running the wire from the inlet to the outlet of the device along a direction df at a speed Vf, characterized in that the draining means (3) include means capable of spraying said treatment liquid at an appropriately regulated speed Vj towards the wire (10) in the form of jets (21) that converge in all directions dj making an obtuse angle α with the direction df in which said wire runs, so as to adjust the thickness e of liquid remaining on the wire on leaving said draining means (3).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2009144252A1

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2009144252 A1 20091203; BR PI0912626 A2 20160126; BR PI0912626 A8 20160503; BR PI0912626 B1 20180828; CN 102016152 A 20110413; CN 102016152 B 20121212; EP 2313546 A1 20110427; EP 2313546 B1 20141015; FR 2931849 A1 20091204; FR 2931849 B1 20100604; JP 2011522132 A 20110728; US 2011143037 A1 20110616; US 8910589 B2 20141216

DOCDB simple family (application)

EP 2009056466 W 20090527; BR PI0912626 A 20090527; CN 200980116159 A 20090527; EP 09753907 A 20090527; FR 0853572 A 20080530; JP 2011511005 A 20090527; US 99544609 A 20090527