

Title (en)
Method and device for galvanising substrates and solar cells

Title (de)
Verfahren und Vorrichtung zur galvanischen Beschichtung von Substraten und Solarzellen

Title (fr)
Procédé et dispositif destinés au revêtement galvanisé de substrats et cellules solaires

Publication
EP 2444528 A3 20130522 (DE)

Application
EP 11184987 A 20111013

Priority
DE 102010042642 A 20101019

Abstract (en)
[origin: EP2444528A2] The device comprises a reservoir (12) having an electrolytic coating liquid (13), a lower transport device (40), and an upper transport device (30) for substrates, where a transport device comprises a unit for contacting and connecting the substrates to a voltage source (21). The upper transport device comprises a tampon (41) of an absorbent material. The unit is provided so that the tampon receives the electrolytic coating liquid and contacts the surface of the substrate to be plated. The transport devices lead the substrates at a distance over a coating pan. The device comprises a reservoir (12) having an electrolytic coating liquid (13), a lower transport device (40), and an upper transport device (30) for substrates, where a transport device comprises a unit for contacting and connecting the substrates to a voltage source (21). The upper transport device comprises a tampon (41) of an absorbent material. The unit is provided so that the tampon receives the electrolytic coating liquid and contacts the surface of the substrate to be plated. The transport devices lead the substrates at a distance over a coating pan. The lower transport device comprises the tampon. The transport devices: comprise a transport roller or transport drum, which is provided with the tampon of the absorbent material or the tampon forms and consists of the absorbent material; and a conveyor belt, which is provided with the absorbent material or the tampon forms and consists of the absorbent material. The conveyor belt is guided in a guide element. A light source for irradiating the surface of the substrates to be coated is arranged in the coating liquid. An independent claim is included for a method for galvanic coating solar cells.

IPC 8 full level
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CPC (source: EP US)
C25D 5/011 (2020.08 - EP US); **C25D 5/024** (2013.01 - EP US); **C25D 5/028** (2013.01 - EP); **C25D 17/001** (2013.01 - EP); **C25D 17/005** (2013.01 - EP)

Citation (search report)

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- [Y] EP 2216823 A1 20100811 - WUXI SUNTECH POWER CO LTD [CN]
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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)
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DOCDB simple family (publication)
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EP 11184987 A 20111013; CN 201110326873 A 20111019; DE 102010042642 A 20101019