Title (en)

A METHOD AND A SYSTEM FOR REDUCING LATERAL POWDER WASTE OF A LAYER OF POWDER ADVANCING ON A MOBILE CONVEYOR SURFACE

Title (de)

VERFAHREN UND SYSTEM ZUR REDUZIERUNG SEITLICHER PULVERABFÄLLE EINER AUF EINER MOBILEN FÖRDERFLÄCHE GEFÖRDERTEN PULVERSCHICHT

Title (fr)

PROCÉDÉ ET SYSTÈME POUR RÉDUIRE LA PERTE LATÉRALE DE POUDRE D'UNE COUCHE DE POUDRE AVANÇANT SUR UNE SURFACE DE TRANSPORTEUR MOBILE

Publication

EP 3030392 B1 20191002 (EN)

Application

EP 14777767 A 20140804

Priority

• IT RE20130061 A 20130809
• IB 2014001481 W 20140804

Abstract (en)

[origin: WO2015019166A1] A method for reduction of lateral powder waste of a layer of powder material advancing on a mobile conveyor surface, the strip of powder material having a transversal section with decreasing thickness diminishing also in accordance with the angle of friction of the powder exhibiting a section alike an isosceles trapezium, and two containing walls being provided for the powder layer, perpendicular to the sliding surface and parallel to the advancement direction thereof, the method comprising the following activities: positioning the containing walls internally of each strip of powder having a decreasing thickness, so as to divide each strip into two portions having a substantially identical section, and transferring the powder which during the advancing of the strip is external of the walls into the space afforded between the walls in proximity of the walls. The device for reducing the lateral waste of powder comprises two lateral containing walls 6 for the powder having an adjustable gauge, as well as means (5, 7) for transferring, during the advancing of the strip, the powder which is external of the -walls into the space afforded between the walls in proximity thereof.

IPC 8 full level

B28B 13/02 (2006.01); **B30B 5/06** (2006.01)

CPC (source: EP RU)

B28B 13/0295 (2013.01 - EP RU); B28B 3/123 (2013.01 - EP)

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)

WO 2015019166 A1 20150212; BR 112016002629 A2 20170801; BR 112016002629 B1 20220426; CN 105431264 A 20160323; CN 105431264 B 20180605; EP 3030392 A1 20160615; EP 3030392 B1 20191002; ES 2753956 T3 20200415; IT RE20130061 A1 20150210; MX 2016001721 A 20160614; PL 3030392 T3 20200430; PT 3030392 T 20191122; RU 2016107087 A 20170912; RU 2016107087 A3 20180307; RU 2660151 C2 20180705

DOCDB simple family (application)

IB 2014001481 W 20140804; BR 112016002629 A 20140804; CN 201480044995 A 20140804; EP 14777767 A 20140804; ES 14777767 T 20140804; IT RE20130061 A 20130809; MX 2016001721 A 20140804; PL 14777767 T 20140804; PT 14777767 T 20140804; RU 2016107087 A 20140804