

Title (en)

LUBRICATING DEVICE FOR APPLYING A LUBRICANT WHEN ROLLING A PRODUCT TO BE ROLLED

Title (de)

SCHMIERVORRICHTUNG ZUM AUFBRINGEN EINES SCHMIERMITTELS BEIM WALZEN EINES WALZGUTES

Title (fr)

DISPOSITIF DE LUBRIFICATION POUR L'APPLICATION D'UN LUBRIFIANT LORS DU LAMINAGE D'UN PRODUIT DE LAMINAGE

Publication

EP 3251762 B1 20190807 (DE)

Application

EP 16172663 A 20160602

Priority

EP 16172663 A 20160602

Abstract (en)

[origin: WO2017207622A1] The invention relates to a lubrication device (1) for applying a lubricant when rolling a rolling material. The lubrication device (1) comprises an extruded profile (3), through which run lubricant ducts (41) and at least one carrier medium duct (42), at least one connection block (5, 6) and nozzles (7). The connection block (5, 6) is connected to the extruded profile (3) and has lubricant connection ducts (54) that are each connected to one lubricant duct (41) of the extruded profile (3). The nozzles (7) are connected to the extruded profile (3) and are designed to create and emit a lubricant-carrier medium mixture consisting of lubricant and a carrier medium.

IPC 8 full level

B21B 27/10 (2006.01); **B21B 45/02** (2006.01)

CPC (source: EP KR US)

B05B 1/20 (2013.01 - US); **B05B 7/04** (2013.01 - US); **B21B 27/10** (2013.01 - EP KR US); **B21B 45/0251** (2013.01 - EP KR US);
B21C 23/08 (2013.01 - KR); **B21B 45/0233** (2013.01 - US); **B21B 2027/103** (2013.01 - US); **B21C 23/085** (2013.01 - EP)

Cited by

WO2021097568A1

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 3251762 A1 20171206; EP 3251762 B1 20190807; CN 109153053 A 20190104; CN 109153053 B 20191210; EP 3463705 A1 20190410;
JP 2019519375 A 20190711; JP 6672486 B2 20200325; KR 102347115 B1 20220103; KR 20190015271 A 20190213;
MX 2018014691 A 20190228; RU 2704877 C1 20191031; US 11440067 B2 20220913; US 2020269295 A1 20200827;
WO 2017207622 A1 20171207

DOCDB simple family (application)

EP 16172663 A 20160602; CN 201780034057 A 20170531; EP 17726323 A 20170531; EP 2017063139 W 20170531;
JP 2018563153 A 20170531; KR 20187034834 A 20170531; MX 2018014691 A 20170531; RU 2018144627 A 20170531;
US 201716305104 A 20170531