

Title (en)
TEXTURED WORK ROLL FOR A METAL SUBSTRATE

Title (de)
TEXTURIERTES ARBEITSWALZE FÜR EIN METALLSUBSTRAT

Title (fr)
CYLINDRE DE TRAVAIL TEXTURÉ POUR SUBSTRAT MÉTALLIQUE

Publication
EP 3386657 A1 20181017 (EN)

Application
EP 16805634 A 20161115

Priority
• US 201562265692 P 20151210
• US 2016062087 W 20161115

Abstract (en)
[origin: WO2017099957A1] A textured work roll can impart a desired texture on a metal substrate, such as an aluminum or aluminum alloy sheet. The textured work roll can be used for applying a gloss finish on the metal substrate. The textured work roll can be textured by grinding the work roll to form a ground work roll; electro-discharge texturing the work roll to form an electro-discharge textured work roll; and polishing the work roll to form a polished work roll. The polished work can have an Ra value between 0.30 µm and 0.70 µm. The polished work roll can be used to apply the gloss finish on the metal substrate.

IPC 8 full level
B21B 27/00 (2006.01)

CPC (source: EP KR RU US)
B21B 1/227 (2013.01 - KR US); **B21B 3/00** (2013.01 - KR); **B21B 27/00** (2013.01 - RU); **B21B 27/005** (2013.01 - EP KR US); **B21D 51/2607** (2013.01 - US); **B21B 2003/001** (2013.01 - EP KR US); **B21B 2261/14** (2013.01 - EP KR US); **B21B 2267/10** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2017099957A1

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

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BA ME

DOCDB simple family (publication)
WO 2017099957 A1 20170615; AU 2016369269 A1 20180719; AU 2016369269 B2 20190606; BR 112018011559 A2 20181127; CA 3007648 A1 20170615; CA 3007648 C 20200331; CN 108290188 A 20180717; EP 3386657 A1 20181017; JP 2019507014 A 20190314; JP 6695428 B2 20200520; KR 20180094011 A 20180822; MX 2018006958 A 20181109; RU 2705831 C1 20191112; US 2017165728 A1 20170615

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