

Title (en)
SYSTEM FOR MAKING ABRASIVE ARTICLE

Title (de)
SYSTEM ZUR HERSTELLUNG EINES SCHLEIFARTIKELS

Title (fr)
SYSTÈME DE FABRICATION D'UN ARTICLE ABRASIF

Publication
EP 3519136 A4 20200603 (EN)

Application
EP 17857244 A 20170925

Priority
• US 201662402663 P 20160930
• US 2017053164 W 20170925

Abstract (en)
[origin: WO2018063958A1] In some examples, an abrasive particle transfer system including a production tool comprising a dispensing surface and a back surface opposite the dispensing surface, wherein the production tool has cavities formed therein, wherein, on a respective basis, each of the cavities extends from a first opening at the dispensing surface through the production tool to a second opening at the back surface, and wherein the second opening is smaller than the first opening; abrasive particles removably disposed within at least some of the cavities such that a portion of each particle protrudes from the back surface through the second opening; and a transfer roll having an outer surface, wherein the production tool is guided along a web path such that the portion of the abrasive particles protruding from the back surface of the production tool contacts the outer surface of the abrasive particle transfer roll to displace the abrasive particles.

IPC 8 full level
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CPC (source: EP KR US)
B24D 3/28 (2013.01 - EP KR US); **B24D 11/001** (2013.01 - EP); **B24D 18/0072** (2013.01 - EP KR US); **B24D 18/009** (2013.01 - EP KR US)

Citation (search report)
• [XI] WO 2015100220 A1 20150702 - 3M INNOVATIVE PROPERTIES CO [US]
• [X] US 2014106126 A1 20140417 - GAETA ANTHONY C [US], et al
• See references of WO 2018063958A1

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 2018063958 A1 20180405; CN 109789536 A 20190521; EP 3519136 A1 20190807; EP 3519136 A4 20200603;
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