

Title (en)
IMPROVED DOUBLE-STRINGER ROTARY BRUSH

Title (de)
VERBESSERTE DOPPELLITZENDREHBÜRSTE

Title (fr)
BROSSE ROTATIVE À DOUBLE LISSE AMÉLIORÉE

Publication
EP 3877114 A4 20221026 (EN)

Application
EP 19882549 A 20191105

Priority
• US 201862756073 P 20181105
• US 2019059947 W 20191105

Abstract (en)
[origin: WO2020097131A1] A rotary wire brush, such as a wheel brush, e.g., double-stringer or dually brush, cup brush, bevel brush, or knotted end brush, composed of knotted brush wire tufts of multistrand construction each having at least a plurality of brush wire strands, preferably at least a plurality of pairs of, i.e., at least three, strands each formed of at least a plurality, preferably at least a plurality of pairs of, i.e., at least three, wires. The wires forming strands are twisted, braided, or twisted and braided, and the strands that form tufts are twisted, braided, or twisted and braided. A preferred brush employs a center disc, e.g., hub, with radially offset tuft anchor holes, which can have different sizes, from which twist knot tufts, which also can have different sizes, can outwardly extend from the disc different distances by being configured with an offset trim preferably having different trim lengths.

IPC 8 full level
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CPC (source: EP)
A46B 13/008 (2013.01); **A46D 1/0207** (2013.01); **B24B 29/005** (2013.01); **B24D 13/10** (2013.01); **A46B 2200/3093** (2013.01)

Citation (search report)
• [XAI] EP 1356748 A1 20031029 - VR CONSTRUCT BV MET BEPERKTE A [BE]
• [XI] GB 632793 A 19491205 - BLACK & DECKER MFG CO
• [X] US 5207032 A 19930504 - FRYMIER EVERETT W [US], et al
• [A] DE 29804936 U1 19980709 - ARMINIUS GMBH SCHLEIFMITTEL [DE]
• [XA] US 5406669 A 19950418 - LESIW BILL [US]
• [A] KR 101605525 B1 20160324 - MOON KEON HWA [KR], et al
• [A] JP H07266241 A 19951017 - TAKASHIMA SANGYO CO LTD
• [A] EP 0666143 A1 19950809 - HOTANI KK [JP] & KR 100289514 B1 20010502
• [A] JP 2008206798 A 20080911 - KOWA CO
• See references of WO 2020097133A1

Designated contracting state (EPC)
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WO 2020097131 A1 20200514; CN 113613842 A 20211105; CN 113613843 A 20211105; EP 3860805 A1 20210811; EP 3860805 A4 20220720; EP 3863800 A2 20210818; EP 3863800 A4 20220803; EP 3877114 A1 20210915; EP 3877114 A4 20221026; WO 2020097133 A1 20200514; WO 2020097633 A2 20200514; WO 2020097633 A3 20200702

DOCDB simple family (application)
US 2019059943 W 20191105; CN 201980087147 A 20191105; CN 202080007572 A 20200106; EP 19882386 A 20191105; EP 19882549 A 20191105; EP 20724397 A 20200106; US 2019059947 W 20191105; US 2020012426 W 20200106