

Title (en)  
ROTARY BRUSH WITH IMPROVED BRUSH WIRE TUFT CONFIGURATIONS

Title (de)  
DREHENDE BÜRSTE MIT VERBESSERTEN BÜRSTENDRAHTBÜSCHELKONFIGURATIONEN

Title (fr)  
BROSSE ROTATIVE À CONFIGURATIONS DE TOUFFES DE BROSSE MÉTALLIQUE AMÉLIORÉES

Publication  
**EP 3860805 A4 20220720 (EN)**

Application  
**EP 19882386 A 20191105**

Priority  
• US 201862756073 P 20181105  
• US 2019059943 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  
**B24D 13/10** (2006.01); **A46B 13/00** (2006.01); **B24B 29/00** (2006.01)

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)  
• [X] US 5406669 A 19950418 - LESIW BILL [US]  
• [I] EP 1356748 A1 20031029 - VR CONSTRUCT BV MET BEPERKTE A [BE]  
• [A] JP H07266241 A 19951017 - TAKASHIMA SANGYO CO LTD  
• See references of WO 2020097131A1

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 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