

Title (en)  
FIXED ABRASIVE BUFF

Title (de)  
FIXIERTES SCHLEIFMITTEL

Title (fr)  
DISPOSITIF DE POLISSAGE ABRASIF FIXE

Publication  
**EP 4132748 A4 20240424 (EN)**

Application  
**EP 21785284 A 20210325**

Priority  
• US 202063006409 P 20200407  
• US 2021024048 W 20210325

Abstract (en)  
[origin: US2021308833A1] Systems and methods including providing a fixed abrasive buff having a central hub and a plurality of fabric layers affixed to the central hub. An abrasive composition is dispersed throughout the fabric layers and includes a polymeric binder and a plurality of abrasive particles dispersed in the polymeric binder. The content of the abrasive particles at an outer edge of the plurality of fabric layers is higher than the content of the abrasive particles at an inner edge of the plurality of fabric layers.

IPC 8 full level  
**B24D 13/14** (2006.01); **B24D 11/02** (2006.01); **B24D 13/12** (2006.01)

CPC (source: EP KR US)  
**B24D 13/12** (2013.01 - EP KR US)

Citation (search report)  
• [XYI] US 2018043507 A1 20180215 - SATO TSUKIO [JP], et al  
• [X] US 2011092136 A1 20110421 - THYSELL HAKAN [SE]  
• [Y] WO 2019025883 A1 20190207 - 3M INNOVATIVE PROPERTIES CO [US]  
• See also references of WO 2021206918A1

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)  
**US 2021308833 A1 20211007**; CA 3177371 A1 20211014; CN 115515752 A 20221223; EP 4132748 A1 20230215; EP 4132748 A4 20240424; JP 2023521096 A 20230523; KR 20220156966 A 20221128; MX 2022012590 A 20221207; WO 2021206918 A1 20211014

DOCDB simple family (application)  
**US 202117212091 A 20210325**; CA 3177371 A 20210325; CN 202180031539 A 20210325; EP 21785284 A 20210325; JP 2022561152 A 20210325; KR 20227038555 A 20210325; MX 2022012590 A 20210325; US 2021024048 W 20210325