

Title (en)  
SURFACE ABRADING MACHINE

Title (de)  
OBERFLÄCHENSCHLEIFMASCHINE

Title (fr)  
MACHINE D'ABRASION DE SURFACE

Publication  
**EP 3974107 A1 20220330 (EN)**

Application  
**EP 21199605 A 20210928**

Priority  
US 202063084989 P 20200929

Abstract (en)  
An apparatus for abrading surfaces has a first manifold 16 mounted proximate one end of a shaft 6, and a second manifold 50 mounted distal to one end of the shaft. The first and second manifolds 16, 50 are constructed to receive and distribute a fluid under positive pressure and vacuum pressure. The shaft 6 is connected to the first and second manifolds 16, 50 to support the manifolds and the shaft includes fluid pathways to conduct air and vacuum flows of the fluid between the manifolds, and an end effector 10 for treating surfaces.

IPC 8 full level  
**B24B 7/18** (2006.01); **B24B 55/10** (2006.01)

CPC (source: EP US)  
**B24B 7/184** (2013.01 - EP); **B24B 7/186** (2013.01 - US); **B24B 55/102** (2013.01 - US); **B24B 7/186** (2013.01 - EP); **B24B 55/10** (2013.01 - EP)

Citation (search report)  
• [XY] DE 102007012394 A1 20080918 - FESTOOL GMBH [DE]  
• [IY] DE 102019102355 A1 20190801 - MAKITA CORP [JP]

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3974107 A1 20220330**; US 2022097207 A1 20220331

DOCDB simple family (application)  
**EP 21199605 A 20210928**; US 202117485839 A 20210927