

Title (en)  
A FLOOR GRINDING MACHINE

Title (de)  
BODENSCHLEIFMASCHINE

Title (fr)  
MEULEUSE DE SOLS

Publication  
**EP 3740345 A4 20211103 (EN)**

Application  
**EP 19741421 A 20190115**

Priority  
• SE 1850052 A 20180118  
• SE 2019050021 W 20190115

Abstract (en)  
[origin: WO2019143278A1] A floor grinding machine comprising a supporting frame, a grinding unit attached to the supporting frame, and a drive unit connected to the grinding unit. The grinding unit comprises an upper housing, a lower housing rotatably arranged in relation to the upper housing, and a planetary drive system connected to the drive unit, where the upper housing comprises a top plate and a first side wall projecting downwards from the top plate in an axial direction. The lower housing comprises a bottom plate and a second side wall, where one or more grinding disks adapted for holding a tool are rotatably attached to the bottom plate, where the planetary drive system is arranged to rotate the lower housing and the one or more grinding disks respectively. The first side wall is coaxially arranged in relation to the second side wall, and the first side wall is in the axial direction at least partly overlapping the second side wall. A gap is formed in a radial direction between the first side wall and the second side wall, and a sealing element is arranged in the gap.

IPC 8 full level  
**B24B 7/18** (2006.01); **B28D 1/00** (2006.01)

CPC (source: EP SE US)  
**B24B 7/18** (2013.01 - SE); **B24B 7/186** (2013.01 - EP US); **B28D 1/00** (2013.01 - EP)

Citation (search report)  
• [IA] US 2010015896 A1 20100121 - BERGSTRAND CLAES-GOERAN [SE], et al  
• [A] SE 0502343 L 20070422 - SCANMASKIN SVERIGE AB [SE]  
• [A] US 5637032 A 19970610 - THYSELL HAAKAN [SE], et al  
• See references of WO 2019143278A1

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 2019143278 A1 20190725**; EP 3740345 A1 20201125; EP 3740345 A4 20211103; EP 3740345 B1 20230719; EP 3740345 C0 20230719; SE 1850052 A1 20190719; SE 542032 C2 20200211; US 2020346315 A1 20201105

DOCDB simple family (application)  
**SE 2019050021 W 20190115**; EP 19741421 A 20190115; SE 1850052 A 20180118; US 201916960442 A 20190115