

Title (en)
SEALING GEOMETRY FOR A MOBILE MACHINE TOOL

Title (de)
DICHTGEOMETRIE FÜR EINE MOBILE WERKZEUGMASCHINE

Title (fr)
GÉOMÉTRIE D'ÉTANCHÉITÉ POUR UNE MACHINE-OUTIL MOBILE

Publication
EP 4237202 A1 20230906 (DE)

Application
EP 21793910 A 20211014

Priority
• EP 20204286 A 20201028
• EP 2021078455 W 20211014

Abstract (en)
[origin: CA3195381A1] The invention relates to a sealing geometry (22) for a mobile machine tool, for example a hand-held power tool (10), in particular for processing natural or artificial, in particular cement-containing, rocks, the mobile machine tool having a drive unit (20), the sealing geometry (22) being designed to seal an inner region (IB) of the drive unit (20) which contains lubricant (26) relative to an outer region (AB) outside of the drive unit (20). Said mobile machine tool is characterized in that the sealing geometry (22) has a non-contacting seal at least during operation of the drive unit (20). A mobile machine tool provided with such a sealing geometry (22) has an especially long service life.

IPC 8 full level
B25F 5/02 (2006.01); **F16C 33/72** (2006.01)

CPC (source: EP US)
B25D 17/26 (2013.01 - US); **B25F 5/02** (2013.01 - EP); **F16J 15/3204** (2013.01 - US); **F16J 15/40** (2013.01 - US); **F16J 15/447** (2013.01 - US); **B25D 16/00** (2013.01 - US); **B25D 2250/365** (2013.01 - US)

Citation (search report)
See references of WO 2022089945A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 3991918 A1 20220504; CA 3195381 A1 20220505; EP 4237202 A1 20230906; US 2023407970 A1 20231221; WO 2022089945 A1 20220505

DOCDB simple family (application)
EP 20204286 A 20201028; CA 3195381 A 20211014; EP 2021078455 W 20211014; EP 21793910 A 20211014; US 202118032074 A 20211014