Title (en)

GRINDING TOOL FOR GRINDING OF AN ENGINE BLOCK

Title (de)

SCHLEIFWERKZEUG ZUM SCHLEIFEN EINES MOTORBLOCKS

Title (fr)

OUTIL DE RECTIFICATION PERMETTANT DE RECTIFIER UN BLOC-MOTEUR

Publication

EP 3539720 B1 20200325 (DE)

Application

EP 19156235 A 20190208

Priority

AT 502112018 A 20180312

Abstract (en)

[origin: US2019275631A1] A grinding tool for grinding an engine includes a main body with a central coupling region for connecting to a rotary drive of a grinding machine, the main body having a substantially rotationally symmetrical configuration with respect to an axis of rotation. The grinding tool also includes a grinding layer on the main body that extends over an outer circular ring zone of the main body, at least one feed for a cooling fluid, and a substantially circular cover plate arranged substantially normal to the axis of rotation and forming an axial gap on the main body. The axial gap is in fluid communication with the feed and the grinding layer so that a cooling fluid fed by the feed can be passed via the axial gap to the grinding layer.

IPC 8 full level

B24B 55/02 (2006.01); **B24D 5/10** (2006.01); **B24D 7/10** (2006.01)

CPC (source: AT CN EP US)

B24B 5/36 (2013.01 - US); **B24B 23/02** (2013.01 - US); **B24B 33/02** (2013.01 - US); **B24B 41/04** (2013.01 - CN); **B24B 55/02** (2013.01 - CN EP US); **B24D 5/10** (2013.01 - EP US); **B24D 7/10** (2013.01 - AT EP US)

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)

EP 3539720 A1 20190918; **EP 3539720 B1 20200325**; AT 17877 U1 20230615; AT 520966 A1 20190915; CN 110253429 A 20190920; CN 110253429 B 20211015; ES 2800431 T3 20201230; HU E049607 T2 20200928; PL 3539720 T3 20200907; US 11969852 B2 20240430; US 2019275631 A1 20190912

DOCDB simple family (application)

EP 19156235 A 20190208; AT 502112018 A 20180312; AT 80302022 U 20180312; CN 201910182219 A 20190312; ES 19156235 T 20190208; HU E19156235 A 20190208; PL 19156235 T 20190208; US 201916274489 A 20190213