

Title (en)
LABORATORY DISK GRINDER, REPLACEMENT GRINDING DISK AND USE OF A GRINDING DISK

Title (de)
LABOR-TELLERSCHLEIFGERÄT, ERSATZSCHLEIFSCHEIBE UND VERWENDUNG EINER SCHLEIFSCHEIBE

Title (fr)
APPAREIL DE RECTIFICATION À DISQUE DE LABORATOIRE, DISQUE ABRASIF DE RECHANGE ET UTILISATION D'UN DISQUE ABRASIF

Publication
EP 4149719 A1 20230322 (DE)

Application
EP 21726362 A 20210510

Priority
• DE 102020113324 A 20200515
• EP 2021062300 W 20210510

Abstract (en)
[origin: WO2021228753A1] The invention relates to a laboratory disk grinder and to a method for surface grinding a bottom side of samples, which are in particular embedded, and a replacement grinding disk for the laboratory disk grinder and to the use of a grinding disk in a laboratory disk grinder, wherein the grinding disk (16) is divided into a peripheral, annular first surface region (42) and a central second surface region (44) arranged within the peripheral, annular first surface region (42), wherein the top side (62b) of the carrier disk (62) is occupied by the abrasive (46) solely in the peripheral annular first surface region (42), such that a grinding peripheral annular first surface region (42) and a passive central second surface region (44) are formed.

IPC 8 full level
B24B 7/04 (2006.01); **B24B 7/16** (2006.01); **B24B 41/06** (2006.01); **B24B 47/10** (2006.01)

CPC (source: EP US)
B24B 7/04 (2013.01 - EP US); **B24B 7/16** (2013.01 - EP); **B24B 41/067** (2013.01 - EP US); **B24B 47/10** (2013.01 - EP)

Citation (search report)
See references of WO 2021228753A1

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)
DE 102020113324 A1 20211118; CN 115666849 A 20230131; EP 4149719 A1 20230322; JP 2023528236 A 20230704; US 2023182256 A1 20230615; WO 2021228753 A1 20211118

DOCDB simple family (application)
DE 102020113324 A 20200515; CN 202180035312 A 20210510; EP 2021062300 W 20210510; EP 21726362 A 20210510; JP 2022569529 A 20210510; US 202117924915 A 20210510