

Title (en)
ADJUSTABLE HANDHELD SANDER

Title (de)
EINSTELLBARER HANDSCHLEIFER

Title (fr)
PONCEUSE PORTABLE RÉGLABLE

Publication
EP 4163055 A1 20230412 (EN)

Application
EP 21201454 A 20211007

Priority
EP 21201454 A 20211007

Abstract (en)
An adjustable sander having a body and a flexible base. The flexible base includes a first end and a second end spaced apart from one another. The first end and second end are each pivotally attached to the body. The flexible base is configured to move between a concave configuration, a neutral configuration, and a convex configuration relative to the body. The adjustable sander further includes a removable sanding surface affixed to a surface of the flexible base that is distal from the body. The adjustable sander also includes a locking mechanism configured to selectively hold the flexible base in a desired concave, neutral or convex configuration. The locking mechanism is characterized in that it includes an axial having a head and a shaft having a series of shaft notches. The locking mechanism further includes a selector having an operator surface and a holder. The operator surface is accessible from outside the body. The holder includes an engagement surface having at least one holder notch configured to selectively engage at least one of the shaft notches. The selector is selectively movable between an engaged position wherein the at least one holder notch is engaged to one of the shaft notches, and a disengaged position, wherein the at least one holder notch is disengaged from the shaft notches.

IPC 8 full level
B24B 23/00 (2006.01); **B24D 15/04** (2006.01)

CPC (source: EP US)
B24D 15/04 (2013.01 - EP US)

Citation (search report)

- [A] DE 19534014 A1 19961107 - SCHLATT ALICE [DE]
- [A] US 2020094378 A1 20200326 - SIGLER SIMON [IL], et al
- [A] EP 1534469 A1 20050601 - HOPE STEPHEN ROSS [NZ]
- [A] US 5544384 A 19960813 - FORSELIUS FRANK E [US], et al
- [A] EP 3081333 A1 20161019 - STANLEY MIDDLE EAST FZE [AE]

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 4163055 A1 20230412; EP 4163055 B1 20240320; CN 115946010 A 20230411; US 2023113086 A1 20230413

DOCDB simple family (application)
EP 21201454 A 20211007; CN 202211211231 A 20220930; US 202217938569 A 20221006