

Title (en)

HOLDING DEVICE FOR HOLDING A MAGNETIZABLE SUBSTRATE DURING PROCESSING OF A SURFACE OF THE SUBSTRATE

Title (de)

HALTEVORRICHTUNG ZUM HALTEN EINES MAGNETISIERBAREN SUBSTRATS WÄHREND EINER BEARBEITUNG EINER OBERFLÄCHE DES SUBSTRATS

Title (fr)

DISPOSITIF DE MAINTIEN POUR MAINTENIR UN SUBSTRAT MAGNÉTISABLE PENDANT LE TRAITEMENT D'UNE SURFACE DU SUBSTRAT

Publication

**EP 4077759 A1 20221026 (DE)**

Application

**EP 20830157 A 20201216**

Priority

- DE 102019135182 A 20191219
- EP 2020086512 W 20201216

Abstract (en)

[origin: WO2021122810A1] The invention relates to a holding device (2) for holding a magnetizable substrate (8) during processing of at least one substrate surface, more particularly a magnetizable tool to be machined, comprising a magnetic holding unit (4) mounted on the end for fixing the end of the substrate (8) by the establishment of a magnetic field, a receiving unit (6) arranged on the holding unit (4) for receiving the substrate (8), an exchangeable adapter unit (10) arranged within the receiving unit (6) for guiding and shielding the substrate (8), wherein the adapter unit (10) comprises at least one recess (12) through which the substrate (8) can be guided, wherein the substrate (8) can be fixed laterally supported within the holding device (2) by means of the recess (12).

IPC 8 full level

**C23C 14/50** (2006.01); **B23Q 3/15** (2006.01); **B23Q 17/22** (2006.01); **B25B 23/12** (2006.01); **B25J 15/06** (2006.01); **C23C 16/458** (2006.01); **H01J 37/32** (2006.01)

CPC (source: EP KR US)

**C23C 14/505** (2013.01 - EP KR); **C23C 16/4581** (2013.01 - EP KR US); **C23C 16/4584** (2013.01 - KR US); **H01J 37/32715** (2013.01 - EP KR)

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 102019135182 A1 20210624**; CN 115053014 A 20220913; CN 115053014 B 20240604; EP 4077759 A1 20221026; JP 2023507451 A 20230222; KR 20220116534 A 20220823; MX 2022007718 A 20220719; US 2023042478 A1 20230209; WO 2021122810 A1 20210624

DOCDB simple family (application)

**DE 102019135182 A 20191219**; CN 202080095615 A 20201216; EP 2020086512 W 20201216; EP 20830157 A 20201216; JP 2022537645 A 20201216; KR 20227024972 A 20201216; MX 2022007718 A 20201216; US 202017786805 A 20201216