

Title (en)
SPRING HOLDER AND WORKPIECE CARRIER

Title (de)
FEDERHALTERUNG UND WERKSTÜCKTRÄGER

Title (fr)
SUPPORT DE RESSORT ET PORTE-PIÈCE

Publication
EP 4222384 A1 20230809 (DE)

Application
EP 21777420 A 20210908

Priority
• DE 102020125504 A 20200930
• EP 2021074648 W 20210908

Abstract (en)
[origin: WO2022069171A1] The invention relates to a spring holder having an elastically deformable latching arrangement and an elastically deformable clamping arrangement; wherein the spring holder is able to be latchingly coupled to a workpiece carrier via the latching arrangement; and the clamping arrangement has an elastically deformable clamping tab, via which, in a clamping position, a retaining force is able to be exerted on a workpiece via a clamping region when the spring holder is coupled to the workpiece carrier, such that the workpiece is able to be frictionally coupled to the spring holder via a clamping face bearing on the clamping region and thus is able to be removably fixed to the workpiece carrier.

IPC 8 full level
F16B 2/02 (2006.01); **C23C 14/50** (2006.01); **C23C 16/458** (2006.01); **F16B 2/20** (2006.01)

CPC (source: EP KR US)
B25B 5/16 (2013.01 - US); **C23C 14/50** (2013.01 - EP KR); **C23C 16/458** (2013.01 - EP KR); **F16B 2/005** (2013.01 - EP KR); **F16B 2/10** (2013.01 - KR); **F16B 2/243** (2013.01 - EP KR); **F16B 5/0614** (2013.01 - EP KR); **F16B 2/10** (2013.01 - EP)

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 102020125504 A1 20220331; CN 116802339 A 20230922; EP 4222384 A1 20230809; JP 2023543509 A 20231016; KR 20230075414 A 20230531; MX 2023003793 A 20230426; US 2024009810 A1 20240111; WO 2022069171 A1 20220407

DOCDB simple family (application)
DE 102020125504 A 20200930; CN 202180067479 A 20210908; EP 2021074648 W 20210908; EP 21777420 A 20210908; JP 2023519923 A 20210908; KR 20237009226 A 20210908; MX 2023003793 A 20210908; US 202118247182 A 20210908