

Title (en)
TOOL HOLDER

Title (de)
WERKZEUGAUFNAHME

Title (fr)
RACCORDEMENT D'OUTIL

Publication
EP 3218145 A1 20170920 (DE)

Application
EP 15787173 A 20151023

Priority
• DE 202014105440 U 20141112
• EP 2015074580 W 20151023

Abstract (en)
[origin: WO2016074901A1] The invention relates to a tool holder, comprising: a main part (12) for coupling to a drive spindle which can be rotatably driven, on which main part a chuck (18) for clamping a tool is received; and a damping element (42) between the main part (12) and the chuck (18), said damping element (42) consisting of a material with a modulus of elasticity which differs from the modulus of elasticity of the material of the chuck (18) by at least 50%, and the chuck (18) being connected, preferably bonded, to the main part (12) only via the damping element (42).

IPC 8 full level
B23B 31/02 (2006.01); **B23B 31/08** (2006.01); **B23B 31/117** (2006.01); **B23Q 11/00** (2006.01); **B29C 45/14** (2006.01); **B29C 45/34** (2006.01); **F16F 15/124** (2006.01)

CPC (source: EP US)
B23B 31/0261 (2021.01 - EP US); **B23B 31/08** (2013.01 - EP); **B23B 31/1179** (2013.01 - EP US); **B23B 27/002** (2013.01 - US); **B23B 31/08** (2013.01 - US); **B23B 2226/33** (2013.01 - EP US); **B23B 2228/16** (2013.01 - US); **B23B 2231/24** (2013.01 - US); **B23B 2240/24** (2013.01 - US); **B23B 2250/12** (2013.01 - US); **B23B 2250/16** (2013.01 - EP US); **B23B 2270/06** (2013.01 - US); **Y10T 279/17111** (2015.01 - EP US); **Y10T 279/17965** (2015.01 - EP US); **Y10T 408/76** (2015.01 - EP US); **Y10T 409/304312** (2015.01 - EP US)

Citation (search report)
See references of WO 2016074901A1

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

DOCDB simple family (publication)
DE 202014105440 U1 20160215; EP 3218145 A1 20170920; JP 2017537800 A 20171221; JP 6722666 B2 20200715; US 10376964 B2 20190813; US 2017239733 A1 20170824; WO 2016074901 A1 20160519

DOCDB simple family (application)
DE 202014105440 U 20141112; EP 15787173 A 20151023; EP 2015074580 W 20151023; JP 2017526575 A 20151023; US 201715585572 A 20170503