

Title (en)
Tool for removing a cutting tool

Title (de)
Werkzeug zur Demontage eines Meißels

Title (fr)
Outil de démontage d'un burin

Publication
EP 2128381 A3 20160427 (DE)

Application
EP 09005840 A 20090427

Priority
DE 102008025071 A 20080526

Abstract (en)
[origin: EP2128381A2] The tool (10) has a base section (20.1) for accommodating an actuator (60), where the actuator has a sprouting thorn (65). The actuator is directly or indirectly coupled to a cylinder-piston system or at an electro-motor unit. The actuator is mounted at the base section around a pivoted bearing.

IPC 8 full level
E21C 35/19 (2006.01); **B25B 27/02** (2006.01); **E02F 9/28** (2006.01); **E21C 35/18** (2006.01)

CPC (source: EP US)
B25B 27/023 (2013.01 - EP US); **B25B 27/026** (2013.01 - EP US); **E21C 35/188** (2020.05 - EP); **E21C 35/19** (2013.01 - EP US); **E02F 9/2891** (2013.01 - EP US); **E21C 35/188** (2020.05 - US); **Y10T 29/49822** (2015.01 - EP US); **Y10T 29/53704** (2015.01 - EP US); **Y10T 29/5383** (2015.01 - EP US); **Y10T 29/53909** (2015.01 - EP US)

Citation (search report)

- [XYI] WO 2005005119 A1 20050120 - WIRTGEN GMBH [DE], et al
- [XI] US 5860203 A 19990119 - GEHR JR THOMAS Y [US]
- [YD] DE 3026930 A1 19811015 - CINCINNATI MINE MACHINERY CO [US]
- [Y] DE 102005001535 B3 20060831 - BETEK BERGBAU & HARTMETALL [DE]
- [XI] DE 202007010047 U1 20070927 - WIRTGEN GMBH [DE]

Cited by
CN105437864A; CN107571008A; CN102049675A; CN112157418A

Designated contracting state (EPC)
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 SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2128381 A2 20091202; **EP 2128381 A3 20160427**; **EP 2128381 B1 20170222**; AU 2009202063 A1 20091210; AU 2009202063 B2 20120705; CN 101590634 A 20091202; CN 101590634 B 20130227; CN 103072116 A 20130501; CN 103072116 B 20150415; CN 201439192 U 20100421; DE 102008025071 A1 20091203; JP 2009285827 A 20091210; JP 5124526 B2 20130123; RU 2009119847 A 20101127; RU 2432252 C2 20111027; US 2009293249 A1 20091203; US 2012198678 A1 20120809; US 2013000090 A1 20130103; US 8181322 B2 20120522; US 8286316 B2 20121016; US 9157320 B2 20151013

DOCDB simple family (application)
EP 09005840 A 20090427; AU 2009202063 A 20090526; CN 200910143788 A 20090526; CN 200920157355 U 20090526; CN 201310003971 A 20090526; DE 102008025071 A 20080526; JP 2009122645 A 20090521; RU 2009119847 A 20090525; US 201213449651 A 20120418; US 201213611735 A 20120912; US 45470809 A 20090521