

Title (en)
Tool holder

Title (de)
Werkzeugaufnahme

Title (fr)
Porte outil

Publication
EP 2532486 B1 20160323 (DE)

Application
EP 12168787 A 20120522

Priority
DE 102011077244 A 20110609

Abstract (en)
[origin: EP2532486A1] The retainer (2) has a ball (24) protruding into an elongated hole (25) lying in a receiving area (21) of a hollow spindle (20). A spring-loaded slider (28) is subjected to force by a spring (34) against an insertion direction (23). A locking ring (27) forces the ball to engage in the area in a radial direction (33), and is displaced against spring force for enabling a radial movement of the ball out of engagement with the area. Another spring (35) is supported at the slider in the insertion direction. The ring is subjected to force by the latter spring against the insertion direction.

IPC 8 full level
B25D 17/08 (2006.01)

CPC (source: EP US)
B25D 17/088 (2013.01 - EP US); **B25D 2217/0042** (2013.01 - EP US); **B25D 2250/371** (2013.01 - EP US); **Y10S 279/905** (2013.01 - EP US); **Y10T 279/17076** (2015.01 - EP US); **Y10T 279/17145** (2015.01 - EP US); **Y10T 279/17761** (2015.01 - EP US)

Designated contracting state (EPC)
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DE 102011077244 A1 20121213; US 2012313333 A1 20121213; US 9221165 B2 20151229

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EP 12168787 A 20120522; CN 201210182121 A 20120605; DE 102011077244 A 20110609; US 201213492371 A 20120608