

Title (en)
Turn pin having free-wheel

Title (de)
Drehstift mit Freilauf

Title (fr)
Crayon rotatif à roue libre

Publication
EP 2292447 A3 20130227 (DE)

Application
EP 10174094 A 20100826

Priority
• DE 102009040134 A 20090904
• DE 102009055240 A 20091223

Abstract (en)
[origin: EP2292447A2] The pivoted pin has a shaft of sleeve-shape with front and rear edge. A cylindrical spindle section, particularly a free-wheel section (34) is provided at a front end of an external thread, where the cylindrical spindle section is extended over entire spindle extent. An outside diameter (36) of the cylindrical spindle section corresponds to a minor diameter (37) of the external thread.

IPC 8 full level
B43K 21/08 (2006.01); **A45D 40/04** (2006.01); **A45D 40/20** (2006.01); **B43K 21/12** (2006.01)

CPC (source: EP US)
A45D 40/205 (2013.01 - EP US); **B43K 21/085** (2013.01 - EP US); **B43K 21/12** (2013.01 - EP US); **A45D 40/04** (2013.01 - EP US);
A45D 2040/208 (2013.01 - EP US)

Citation (search report)
• [YA] DE 4421609 A1 19950824 - KOTOBUKI & CO LTD [JP]
• [YA] US 5547300 A 19960820 - POWERS RONALD J [US]
• [A] EP 1230868 A1 20020814 - UHU GMBH [DE]
• [A] EP 0922406 A1 19990616 - KOTOBUKI & CO LTD [JP]
• [A] DE 19630906 A1 19980205 - FABER CASTELL A W [DE]

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
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US 2011058887 A1 20110310; US 8696226 B2 20140415

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