

Title (en)

Bit holder with floating magnet sleeve

Title (de)

Bithalter mit beweglicher Magnethülse

Title (fr)

Aimant flottant avec porte-embout à manchon

Publication

**EP 2837468 A2 20150218 (EN)**

Application

**EP 14180985 A 20140814**

Priority

- US 201313967775 A 20130815
- US 201414285799 A 20140523

Abstract (en)

A bit holder assembly (470) for a rotary hand or powered tool, includes a body (472) having a hex shank (476) at its rearward end and a retraction collar (474) slidably disposed on the body (472). The body (472) has a coaxial hex socket (478) formed therein to allow a tool bit (40) to be inserted thereinto. The bit (40) is removed by sliding the retraction collar (474). A ring magnet (50) is disposed at the forward end of the retraction collar (474) to magnetize a fastener (54) to retain the fastener (54) to the bit (40).

IPC 8 full level

**B25B 23/00** (2006.01); **B23B 31/107** (2006.01); **B25B 23/12** (2006.01)

CPC (source: EP)

**B25B 23/0035** (2013.01); **B25B 23/12** (2013.01)

Citation (applicant)

- US 5988957 A 19991123 - WHEELER THOMAS J [US]
- US 7086813 B1 20060808 - BOYLE DAVID C [US], et al
- US 6929266 B2 20050816 - PETERS MICHAEL P [US], et al
- EP 2628570 A2 20130821 - BLACK & DECKER INC [US]
- US 6261035 B1 20010717 - MOORES JR ROBERT G [US], et al
- US 7942426 B2 20110517 - PETERS MICHAEL P [US]
- US 5704261 A 19980106 - STRAUCH MARTIN [DE], et al
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CN114102030A; EP3061572A1; RU178624U1; CN108237497A; EP3366396A1; EP3838438A1; US11318590B2; TWI762912B

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)

**EP 2837468 A2 20150218**; **EP 2837468 A3 20151104**; **EP 2837468 B1 20170705**; CN 204397783 U 20150617; TW M500658 U 20150511

DOCDB simple family (application)

**EP 14180985 A 20140814**; CN 201420463546 U 20140815; TW 103214649 U 20140815