

Title (en)
TOOL BIT COUPLING ASSEMBLY

Title (de)
WERKZEUGKUPPLUNGSANORDNUNG

Title (fr)
ENSEMBLE DE COUPLAGE DE TRÉPAN D'OUTIL

Publication
EP 3401058 A1 20181114 (EN)

Application
EP 17170944 A 20170512

Priority
EP 17170944 A 20170512

Abstract (en)
A tool bit coupling assembly includes a coupling rod (1) having an insertion end (12) receiving a coupling device (2). A slideable sleeve (31) is movable on the insertion end. A receiving hole (311) of the slideable sleeve is larger than the insertion end and includes a coupling section. The insertion end of the coupling rod is received in a rear stop ring (34) including a smaller diameter portion slightly smaller than an inner diameter of the coupling section (313). The rear stop ring (34) further includes a larger diameter portion slightly larger than the inner diameter of the coupling section. The first coupling section of the slideable sleeve (31) is firstly coupled with the smaller diameter portion of the rear stop ring (34). When the slideable sleeve is moved toward the driving end of the coupling rod, the coupling section of the slideable sleeve is tightly fit around the larger diameter portion of the rear stop ring.

IPC 8 full level
B25B 23/00 (2006.01); **B25B 23/12** (2006.01)

CPC (source: EP)
B25B 23/0035 (2013.01); **B25B 23/12** (2013.01)

Citation (search report)
• [X] US 2016311091 A1 20161027 - WANG TZU-CHIEN [TW]
• [A] US 2011006489 A1 20110113 - LAI JIN-TSAI [TW]

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

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