

Title (en)  
SCREWDRIVER BIT ASSEMBLY WITH A MAGNETIC STRUCTURE

Title (de)  
SCHRAUBENDREHEREINSATZANORDNUNG MIT EINER MAGNETISCHEN STRUKTUR

Title (fr)  
ENSEMBLE EMBOUT DE TOURNEVIS AVEC UNE STRUCTURE MAGNÉTIQUE

Publication  
**EP 3235596 A1 20171025 (EN)**

Application  
**EP 16166508 A 20160421**

Priority  
EP 16166508 A 20160421

Abstract (en)  
A screwdriver bit assembly includes a magnetic ring (2) mounted in a front end of a sleeve hole (14) of a sleeve (1). A retaining ring (3) is made of a material more rigid than the sleeve, is mounted in the sleeve hole (14), and is located behind the magnetic ring (2). A screwdriver bit (5) includes an insertion end (51), an extending section (53) behind the insertion end, a flange section (54) behind the extending section, and a clamping section (55) behind the flange section. The front end of the screwdriver bit extends through the sleeve hole (14) of the sleeve (1), the retaining ring (3), and the magnetic ring (2). The insertion end (51) extends beyond the sleeve and is located in front of a front end face (11) of the sleeve. The flange section (54) abuts the retaining ring (3). The clamping section (55) is held by a holding device (4) mounted on the sleeve (1), providing a holding force towards a longitudinal axis of the sleeve hole (14).

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

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

Citation (applicant)  
TW I254660 B 20060511 - JANG WEN-HAI [TW]

Citation (search report)  
• [A] EP 3009234 A1 20160420 - STANLEY BLACK & DECKER INC [US]  
• [A] DE 202015106637 U1 20151222 - COMPASS CORP [TW]

Cited by  
CN109909935A

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 3235596 A1 20171025; EP 3235596 B1 20201028**

DOCDB simple family (application)  
**EP 16166508 A 20160421**