

Title (en)
Quick-coupling socket

Title (de)
Schnellanschlussnuss

Title (fr)
Douille à couplage rapide

Publication
EP 2418049 A3 20150408 (EN)

Application
EP 11176608 A 20110804

Priority
TW 99215659 U 20100813

Abstract (en)
[origin: EP2418049A2] A socket (1) includes a plurality of protrusions (14) circumferentially disposed around a circular top opening (11) of the socket (1), whereby upon insertion of a driving shaft (2) of a spanner or the like, the driving shaft (2) will be respectively biased or thrust by the protrusions (14) and then smoothly guided into a square hole (12) of the socket (1) for quickly coupling the driving shaft (2) in the socket (1). The socket (1) further includes plural bottom protrusions (14b) disposed around a circular bottom opening (11b) in a bottom portion of the socket (1), and eighteen faces formed in a hexagonal bottom hole (12b) of the socket (1) for helping a quick coupling of a nut or bolt (3) into the bottom hole (12b) of the socket (1).

IPC 8 full level
B25B 13/06 (2006.01)

CPC (source: EP KR)
B25B 13/06 (2013.01 - EP KR); **B25B 13/065** (2013.01 - EP); **B25B 23/00** (2013.01 - KR); **B25B 23/02** (2013.01 - KR)

Citation (search report)

- [X] FR 2674166 A1 19920925 - WRIGHT TOOL CY [US]
- [X] US 4598616 A 19860708 - COLVIN DAVID S [US]
- [XA] US 2003126960 A1 20030710 - CHEN ALEX [TW]

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JP2012066360A; CN106743598A; DE102015217377B3; USD992387S; USD1036211S; USD1036212S

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)
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DOCDB simple family (application)
EP 11176608 A 20110804; AU 2011206949 A 20110809; BR PI1103824 A 20110810; JP 2011173987 A 20110809; KR 20110080715 A 20110812; TW 99215659 U 20100813