

Title (en)
Ratchet connector

Title (de)
Ratschenkupplung

Title (fr)
Connecteur à cliquet

Publication
EP 2216138 B1 20130605 (EN)

Application
EP 09001532 A 20090204

Priority
EP 09001532 A 20090204

Abstract (en)
[origin: EP2216138A1] A ratchet connector includes a driving element 1, a control ring 2, and a working element 3. A tooth block 13 is disposed in an open groove 121 of the driving element 1. Both sides of the tooth block 13 have several teeth 134. The control ring 2 is mounted on the driving element 1 to control the tooth block 13 to move along the bottom of the open groove 121. The working element 3 is mounted on the driving element 1. The teeth 134 of the tooth block 13 engage with the ratchet teeth 322 on an inner surface 321 of the working element 3.

IPC 8 full level
B25B 15/00 (2006.01); **B25B 13/46** (2006.01); **B25B 23/00** (2006.01)

CPC (source: EP)
B25B 13/465 (2013.01); **B25B 15/001** (2013.01); **B25B 23/0035** (2013.01)

Cited by
DE102018204822A1; DE102021116291B4; TWI508828B; TWI468263B

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 2216138 A1 20100811; EP 2216138 B1 20130605

DOCDB simple family (application)
EP 09001532 A 20090204