

Title (en)
Connecting device

Title (de)
Verbindungsvorrichtung

Title (fr)
Dispositif d'assemblage

Publication
EP 2634323 A3 20140326 (DE)

Application
EP 13156668 A 20130226

Priority
DE 102012101639 A 20120229

Abstract (en)
[origin: EP2634323A2] The device has connecting structure (11) that couples one end of coupling element to connecting structure and other end of coupling element is connected to rotating structure (14). The rotating structure is rotatable in aperture (13) in connecting structure under tensile forces exerted by connecting element on exercised portions of coupling element. The rotation of rotating structure in aperture is cancelled when opposite tensile forces are exerted. The wedge angle of narrowing extension (19) is set to 5-15[deg] . The width of extension narrows under diameter of rotating structure.

IPC 8 full level
E04B 1/61 (2006.01); **E04B 1/04** (2006.01)

CPC (source: EP)
E04B 1/6183 (2013.01); **E05B 65/006** (2013.01); **E04B 1/043** (2013.01); **E05B 65/0817** (2013.01)

Citation (search report)
[AD] DE 102007015830 A1 20081002 - WEIDEMANN CHRISTIAN [DE]

Cited by
DE102014117832A1; WO2016086921A1

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 2634323 A2 20130904; EP 2634323 A3 20140326; EP 2634323 B1 20170118; DE 102012101639 A1 20130829; DK 2634323 T3 20170501

DOCDB simple family (application)
EP 13156668 A 20130226; DE 102012101639 A 20120229; DK 13156668 T 20130226