

Title (en)

Clamping device for connecting construction elements

Title (de)

Spannschloss zum Verbinden von Bauelementen

Title (fr)

Dispositif de serrage pour l'assemblage d'éléments de construction

Publication

EP 2206843 B1 20170621 (DE)

Application

EP 09015381 A 20091211

Priority

DE 202009000481 U 20090113

Abstract (en)

[origin: EP2206843A1] The spanner nut comprises a special steel casting. The connection points, provided with the manufacturing-tolerances, are formed as slot (2)- and longitudinal hole (4) in the recesses contained in the side walls. The spanner nut receives the tensile forces for the connections with the concrete components due to its geometrical shape (1) and arrangement of the holes for the screw connections.

IPC 8 full level

E04B 1/41 (2006.01); **E04B 1/04** (2006.01); **E04B 5/02** (2006.01)

CPC (source: EP US)

E04B 1/043 (2013.01 - EP US); **E04B 1/4114** (2013.01 - EP US); **E04B 5/023** (2013.01 - EP US); **Y10T 29/49947** (2015.01 - EP US); **Y10T 403/55** (2015.01 - EP US)

Citation (examination)

- WO 2007095422 A2 20070823 - DAYTON SUPERIOR CORP [US], et al
- US 2009183441 A1 20090723 - AZARIN MICHAEL [US]
- US 2006248811 A1 20061109 - HANSORT RENS [US]

Cited by

DE102014215814A1; DE102014215335A1; DE202014008721U1; DE202014008722U1; WO2013131530A1

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

DE 202009000481 U1 20100602; BR PI1004918 A2 20200422; CA 2749182 A1 20100722; CA 2749182 C 20170829; DE 202009018576 U1 20120301; DK 2206843 T3 20171002; EP 2206843 A1 20100714; EP 2206843 B1 20170621; ES 2640352 T3 20171102; HU E036228 T2 20180628; PL 2206843 T3 20180131; RU 2011128782 A 20130220; RU 2544945 C2 20150320; US 2011293364 A1 20111201; US 9151034 B2 20151006; WO 2010081673 A1 20100722

DOCDB simple family (application)

DE 202009000481 U 20090113; BR PI1004918 A 20100112; CA 2749182 A 20100112; DE 202009018576 U 20091211; DK 09015381 T 20091211; EP 09015381 A 20091211; EP 2010000106 W 20100112; ES 09015381 T 20091211; HU E09015381 A 20091211; PL 09015381 T 20091211; RU 2011128782 A 20100112; US 201013138142 A 20100112