

Title (en)
ANCHOR SYSTEM OF A CONCRETE WALL FORMWORK

Title (de)
ANKERSYSTEM EINER BETONWANDSCHALUNG

Title (fr)
SYSTÈME D'ANCRAGE D'UN COFFRAGE POUR MUR EN BÉTON

Publication
EP 2536899 B1 20160127 (DE)

Application
EP 11702442 A 20110201

Priority
• DE 102010002108 A 20100218
• EP 2011051419 W 20110201

Abstract (en)
[origin: CA2789395A1] The invention relates to a locking device 21 for an anchor bar 2 of an anchor system of a concrete wall formwork, having a formwork element 6 comprising a formwork facing 7, having an annular sealing element 15 for sealing off an anchor penetration hole 13 in the formwork facing 7, a threaded nut element 24 for threading the anchor bar 2 into a threaded nut thread of the threaded nut element 24, and a cap plate 27 that can be fastened by means of fastening means 30 to a rear face of the formwork element 6 of the concrete wall formwork and comprises a spherically designed plate region having an opening in which the threaded nut element 24 is disposed having radial clearance, wherein the threaded nut element 24 comprises a groove-like radially circumferential receptacle 40 in which the edges of the opening in the spherical plate region are received, and wherein a tubular guiding device 45 flush with the threaded nut thread of the threaded nut element 24 is provided on the end of the threaded nut element 24 to be located at the concrete formwork side. The sealing element 15 thereby comprises an elastic rubber inner sealing ring 46 and the free end 51 of the guiding device 45 to be located at the formwork element side is sealingly inserted with the inner sealing ring 46 into the sealing element 15.

IPC 8 full level
E04G 17/06 (2006.01); **E04G 17/065** (2006.01)

CPC (source: EP US)
E04G 17/06 (2013.01 - EP US); **E04G 17/065** (2013.01 - EP US); **E04G 17/0652** (2013.01 - US); **E04G 17/0657** (2013.01 - EP US)

Cited by
WO2024056693A1; EP3511487A1; DE102022123650A1; DE102022123654A1; WO2024056694A1

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

DOCDB simple family (publication)
DE 102010002108 A1 20110818; AU 2011217385 A1 20121108; AU 2011217385 B2 20140911; BR 112012020754 A2 20160503; BR 112012020754 B1 20191210; CA 2789395 A1 20110825; CA 2789395 C 20160823; CL 2012002263 A1 20130607; CL 2014002902 A1 20150710; CN 102791939 A 20121121; CN 102791939 B 20160120; DK 2536899 T3 20160425; EP 2536899 A1 20121226; EP 2536899 B1 20160127; ES 2563050 T3 20160310; HK 1174674 A1 20130614; HR P20160438 T1 20160520; HU E028807 T2 20170130; MX 2012009560 A 20121001; PL 2536899 T3 20160531; RU 2513601 C1 20140420; SG 183288 A1 20120927; SI 2536899 T1 20160331; UA 104082 C2 20131225; US 2012304570 A1 20121206; US 8727302 B2 20140520; WO 2011101240 A1 20110825

DOCDB simple family (application)
DE 102010002108 A 20100218; AU 2011217385 A 20110201; BR 112012020754 A 20110201; CA 2789395 A 20110201; CL 2012002263 A 20120816; CL 2014002902 A 20141027; CN 201180010147 A 20110201; DK 11702442 T 20110201; EP 11702442 A 20110201; EP 2011051419 W 20110201; ES 11702442 T 20110201; HK 13101942 A 20130215; HR P20160438 T 20160422; HU E11702442 A 20110201; MX 2012009560 A 20110201; PL 11702442 T 20110201; RU 2012139815 A 20110201; SG 2012059762 A 20110201; SI 201130730 T 20110201; UA A201210868 A 20110201; US 201113577914 A 20110201