

Title (en)

DEVICE FOR FIXING OR MANIPULATING OBJECTS

Title (de)

VORRICHTUNG ZUR FIXIERUNG ODER MANIPULATION VON OBJEKTN

Title (fr)

DISPOSITIF POUR LE POSITIONNEMENT OU LA MANIPULATION D'OBJETS

Publication

EP 2257411 B1 20181017 (DE)

Application

EP 09714032 A 20090224

Priority

- DE 2009000244 W 20090224
- DE 102008011220 A 20080226

Abstract (en)

[origin: DE102008011220B3] The device (13) has two heads (14, 15) including front-sided and rear-sided effective surfaces (18-21) that are movable to each other and connected by joints (16, 17) i.e. multi-joints. Arms (22, 23) i.e. lever arms, introduce effective forces. The effective surfaces are connected in series arrangement such that the rear-sided effective surface (19) of the head (14) is connected immovably with the front-sided effective surface (20) of the head (15) by a connection element. The connection element is arranged coaxially to an axis of one joint.

IPC 8 full level

B25B 7/02 (2006.01); **B25B 5/00** (2006.01); **B25B 5/10** (2006.01); **B25B 7/08** (2006.01)

CPC (source: EP US)

B25B 5/003 (2013.01 - EP US); **B25B 5/10** (2013.01 - EP US); **B25B 7/02** (2013.01 - EP US); **B25B 7/08** (2013.01 - EP US)

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 TR

Designated extension state (EPC)

RS

DOCDB simple family (publication)

DE 102008011220 B3 20090423; DE 112009001043 A5 20110127; EP 2257411 A1 20101208; EP 2257411 B1 20181017;
ES 2716477 T3 20190612; JP 20111513075 A 20110428; JP 5421930 B2 20140219; US 2011057372 A1 20110310; US 8628070 B2 20140114;
WO 2009106050 A1 20090903

DOCDB simple family (application)

DE 102008011220 A 20080226; DE 112009001043 T 20090224; DE 2009000244 W 20090224; EP 09714032 A 20090224;
ES 09714032 T 20090224; JP 2010547948 A 20090224; US 91950409 A 20090224