

Title (en)
Clamping auxiliary element

Title (de)
Klemmhilfe

Title (fr)
Auxiliaire de serrage

Publication
EP 1746619 A1 20070124 (DE)

Application
EP 06019161 A 20020315

Priority
• EP 02706504 A 20020315
• AT 4442001 A 20010320

Abstract (en)
The lifting clamp (1) has a rectangular frame (14) and a rectangular box (15) with an upper section (150) positioned between the upper and lower sections (140,141) of the frame and displaced relative to the latter against a resistance provided by the friction between the box and the frame. A clamp screw (16) fits through an opening (142) in the upper section of the frame for engaging a screw thread (152) in the upper section of the box.

IPC 8 full level
H01H 71/08 (2006.01); **H01M 8/02** (2006.01); **H01R 4/36** (2006.01); **H01M 8/12** (2006.01); **H01R 4/34** (2006.01); **H01R 4/38** (2006.01)

CPC (source: EP)
H01H 71/08 (2013.01); **H01R 4/363** (2013.01); **H01H 2001/5861** (2013.01); **H01R 4/34** (2013.01); **H01R 4/38** (2013.01)

Citation (search report)
• [XY] DE 8312142 U1 19831103
• [Y] EP 0772256 A2 19970507 - LEGRAND SA [FR], et al
• [Y] US 3539977 A 19701110 - WOERTZ HANS
• [Y] EP 0559585 A1 19930908 - MERLIN GERIN [FR]
• [A] WO 9853470 A1 19981126 - GEWISS SPA [IT], et al
• [AD] EP 0687032 A1 19951213 - SCHNEIDER ELECTRIC SA [FR]

Cited by
EP1983541A1; WO2012039030A1; JP5629326B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Designated extension state (EPC)
RO

DOCDB simple family (publication)
WO 02075889 A2 20020926; WO 02075889 A3 20031211; AT 410613 B 20030625; AT A4442001 A 20021015; AT E369615 T1 20070815; AT E523892 T1 20110915; AU 2002240690 A1 20021003; CN 100423159 C 20081001; CN 1252772 C 20060419; CN 1520601 A 20040811; CN 1758402 A 20060412; CZ 20032391 A3 20040218; DE 50210642 D1 20070920; DK 1746619 T3 20111212; EA 004608 B1 20040624; EA 200301032 A1 20040226; EP 1389341 A2 20040218; EP 1389341 B1 20070808; EP 1389341 B8 20071107; EP 1746619 A1 20070124; EP 1746619 B1 20110907; ES 2290273 T3 20080216; ES 2372759 T3 20120126; HK 1063384 A1 20041224; HK 1100240 A1 20070914; MY 138816 A 20090731; TN SN03067 A1 20050408

DOCDB simple family (application)
AT 0200085 W 20020315; AT 02706504 T 20020315; AT 06019161 T 20020315; AT 4442001 A 20010320; AU 2002240690 A 20020315; CN 02806814 A 20020315; CN 200510089501 A 20020315; CZ 20032391 A 20020315; DE 50210642 T 20020315; DK 06019161 T 20020315; EA 200301032 A 20020315; EP 02706504 A 20020315; EP 06019161 A 20020315; ES 02706504 T 20020315; ES 06019161 T 20020315; HK 04106121 A 20040816; HK 07107750 A 20040816; MY PI20020880 A 20020312; TN SN03067 A 20030708