

Title (en)
CLAMPING FIXTURE FOR SECURING PANES OF GLASS

Title (de)
KLEMMBESCHLAG FÜR DIE BEFESTIGUNG VON GLASSCHEIBEN

Title (fr)
FERRURE DE SERRAGE POUR LA FIXATION DE VITRES

Publication
EP 1180193 B1 20050831 (DE)

Application
EP 00964018 A 20000815

Priority
• DE 19938571 A 19990817
• EP 0007941 W 20000815

Abstract (en)
[origin: US2002050108A1] A clamp fixture to fasten glass plates that are clamped between an inner clamp element and an external clamp element, whereby a clamp bolt is supported elastically, to a limited extent, on the inner clamp element by means of a bush. The invention teaches that the inner clamp element, on the side facing the substructure, has a cylindrical receptacle space to hold the bearing that supports the clamp bolt in the axial direction, whereby the bearing is realized optionally in the form of a fixed bearing, in the form of a friction bearing that intersects the center longitudinal axis of the clamp bolt, or in the form of a movable bearing for the four-point bearing of a glass plate.

IPC 1-7
E06B 3/54

IPC 8 full level
E04B 2/96 (2006.01); **E04B 2/90** (2006.01); **E04F 13/14** (2006.01); **E06B 3/54** (2006.01); **F16B 5/02** (2006.01)

CPC (source: EP US)
E04F 13/0855 (2013.01 - EP US); **E04F 13/145** (2013.01 - EP US); **E06B 3/5436** (2013.01 - EP US); **Y10T 403/7067** (2015.01 - EP US); **Y10T 403/7123** (2015.01 - EP US)

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

DOCDB simple family (publication)
US 2002050108 A1 20020502; US 6623203 B2 20030923; AT E303500 T1 20050915; AU 7509500 A 20010313; AU 777979 B2 20041111; CA 2347509 A1 20010222; CN 1188582 C 20050209; CN 1317067 A 20011010; CZ 20011321 A3 20020515; CZ 298750 B6 20080116; DE 19938571 A1 20010222; DE 50011070 D1 20051006; DK 1180193 T3 20060109; EP 1180193 A1 20020220; EP 1180193 B1 20050831; ES 2248120 T3 20060316; HK 1040754 A1 20020621; HK 1040754 B 20050902; HU 222966 B1 20040128; HU P0103613 A2 20020228; HU P0103613 A3 20020429; IL 141717 A0 20020310; JP 2003507603 A 20030225; PL 202546 B1 20090731; PL 347313 A1 20020325; SK 286763 B6 20090507; SK 4972001 A3 20011203; WO 0112938 A1 20010222

DOCDB simple family (application)
US 83586501 A 20010416; AT 00964018 T 20000815; AU 7509500 A 20000815; CA 2347509 A 20000815; CN 00801357 A 20000815; CZ 20011321 A 20000815; DE 19938571 A 19990817; DE 50011070 T 20000815; DK 00964018 T 20000815; EP 0007941 W 20000815; EP 00964018 A 20000815; ES 00964018 T 20000815; HK 02102457 A 20020403; HU P0103613 A 20000815; IL 14171700 A 20000815; JP 2001517015 A 20000815; PL 34731300 A 20000815; SK 4972001 A 20000815