

Title (en)
FIXING ELEMENT FOR GLASS PANES

Title (de)
BEFESTIGUNGSELEMENT FÜR GLASSCHEIBEN

Title (fr)
ELEMENT DE FIXATION POUR VITRES

Publication
EP 1165925 B1 20030604 (DE)

Application
EP 00910862 A 20000318

Priority
• DE 19913729 A 19990326
• EP 0002425 W 20000318

Abstract (en)
[origin: WO0058591A1] The invention relates to a fixing element for glass panes, comprising a thicker shorter bolt (1) which can be inserted into a hole in the glass (10) and sealed, and a longer but thinner bolt which can be fixed to the first bolt and presents an outer thread (2). The shorter bolt has a hole in the direction of the longer bolt and the thinner bolt is configured such that it can be pivoted in relation to the shorter bolt. The longer bolt (2) is further configured such that it can be pivoted in the manner of a cardan joint in the hole of the shorter bolt or in proximity thereto. The cardan-joint configuration in each case consists of a block (3) with two holes which are perpendicular to each other and into which two bolts (4, 4') can be introduced such that their ends protrude outwards.

IPC 1-7
E06B 3/54; **E04B 2/88**; **E04D 3/06**; **E04F 13/14**

IPC 8 full level
E04B 2/88 (2006.01); **E04D 3/06** (2006.01); **E04F 13/14** (2006.01); **E06B 3/54** (2006.01)

CPC (source: EP)
E06B 3/5436 (2013.01)

Designated contracting state (EPC)
AT BE CH DE FR LI

DOCDB simple family (publication)
WO 0058591 A1 20001005; AT E242405 T1 20030615; AU 3291400 A 20001016; DE 50002454 D1 20030710; EP 1165925 A1 20020102; EP 1165925 B1 20030604

DOCDB simple family (application)
EP 0002425 W 20000318; AT 00910862 T 20000318; AU 3291400 A 20000318; DE 50002454 T 20000318; EP 00910862 A 20000318