Title (en)

Fixing device for flat elements

Title (de)

Befestigungvorrichtung für flächenhafte Elemente

Title (fr)

Dispositif de fixation pour éléments plats

Publication

EP 0931943 A3 20001122 (DE)

Application

EP 99810002 A 19990105

Priority

CH 14798 A 19980122

Abstract (en)

[origin: EP0931943A2] Base plate (8) is in one piece with the hollow shaft (2), through which a screw (4) with external thread passes. Four webs (9) are arranged symmetrically on the base plate to receive a flat cap (18) with central hole (15) for a second screw (14) which enters an internal thread (10) in the head (6) of the first screw.

IPC 1-7 (main, further and additional classification)

F16B 5/06; E04B 2/82; E04F 13/08; E04F 13/14; E06B 3/54; G09F 7/18

IPC 8 full level (invention and additional information)

E04F 13/08 (2006.01); **E06B 3/54** (2006.01); **G09F 15/00** (2006.01)

CPC (invention and additional information)

E06B 3/5445 (2013.01); **E04F 13/0839** (2013.01); **E06B 3/5427** (2013.01); **G09F 15/0068** (2013.01)

Citation (search report)

[A] DE 2518361 A1 19751113 - COUWENBERGS PAUL [DE]

Cited by

CH697551B1; EP3348769A1; FR2956138A1; GB2482599A; KR101493191B1; FR2888630A1; FR2839998A1; DE10037683A1; DE10037683C2; DE10153858A1; DE10153858C2; EP1443155A3; ES2681962A1; US7367741B2; CH696590A5; WO03052227A1; WO0202898A1; WO0210532A1; WO2007129343A1; WO2008119764A1

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

EP 0931943 A2 19990728; EP 0931943 A3 20001122; EP 0931943 B1 20030820; AT 247785 T 20030915; DE 59906618 D1 20030925