

Title (en)
SHIPPING FRAME FOR MOTOR VEHICLE GLASS PANES

Publication
EP 0376799 B1 19920930 (FR)

Application
EP 89403537 A 19891219

Priority
DE 3843187 A 19881222

Abstract (en)
[origin: EP0376799A1] A frame for shipping motor vehicle glass panes (20) comprises rigid retaining rails (21) which, by the intermediary of suitable spacers or separators (22), act on the upper edges of the glass panes (20). The retaining rails (21) are provided at their rear ends with a pivoting part (24) which can slide in the vertical direction in a corresponding segment of hollow section (14 or 15), mounted vertically and fixed to the rear part (2). A tightening strap (26) is attached to the front end of the retaining rail (21) and is fixed, by the intermediary of a tension spring (28), to the bottom serving as a support (1) of the shipping frame. In the working position of the retaining rail (21), the pivoting part (24) is locked automatically by a jamming effect due to the action of the tightening strap (26).

IPC 1-7
B65D 85/48; **B65G 49/06**

IPC 8 full level
B65D 85/48 (2006.01); **B65G 49/06** (2006.01)

CPC (source: EP)
B65D 85/48 (2013.01)

Cited by
CN103693302A; KR100385540B1; CN106697487A; CN112591463A; CN102917959A; EP0409969A4; EP1518798A4; CN106395063A; US6925943B2; US6513888B1; FR2740435A1; EP3085641A1; EA035290B1; EP0595744A1; FR2697230A1; FR2683794A1; US6290064B1; US7159521B2; WO0017068A1; WO0212091A1; WO2016169830A1; WO2011148180A3

Designated contracting state (EPC)
BE DE ES FR GB IT LU SE

DOCDB simple family (publication)
EP 0376799 A1 19900704; **EP 0376799 B1 19920930**; DE 3843187 C1 19900613; DE 68903099 D1 19921105; DE 68903099 T2 19930415; ES 2035617 T3 19930416

DOCDB simple family (application)
EP 89403537 A 19891219; DE 3843187 A 19881222; DE 68903099 T 19891219; ES 89403537 T 19891219