

Title (en)
MIDDLE BEAM FOR WINDOW FRAMES

Publication
EP 0312646 B1 19920226 (DE)

Application
EP 87116492 A 19871109

Priority
DE 8714076 U 19871021

Abstract (en)
[origin: US4894973A] A reinforcing and mounting structure for frames, especially window frames, has an inner metal sectional insert fitting into a hollow channel frame member and frame cover elements surrounding the hollow channel frame member on at least three sides. The sectional insert is wedged into the hollow channel frame member and attached at its end faces by screws to frame elements of the frame such as a window frame. The improved mounting structure is less expensive to produce, easier to install, and achieves a considerably increased strength and loadability with the same cross-sectional dimensions relative to prior structures. The sectional insert includes two sectional insert halves (1a, 1b) arranged back-to-back in a mirror image fashion. Each sectional insert half (1a, 1b) essentially has a configuration with a U-shape cross-section with a base shank and two leg shanks. The base shanks of the two insert halves (1a, 1b) are arranged back-to-back to face each other and include pleats (4, 5) extending in the lengthwise direction and running in parallel at a spacing from one another to form together two hollow screw channels (6, 7). The screws wedge the leg shanks apart, thereby securing the insert in the hollow channel and simultaneously securing frame members to each other.

IPC 1-7
E06B 1/36; E06B 3/96

IPC 8 full level
E06B 1/36 (2006.01); **E06B 3/22** (2006.01); **E06B 3/26** (2006.01); **E06B 3/68** (2006.01); **E06B 3/96** (2006.01); **E06B 3/964** (2006.01); **E06B 3/972** (2006.01)

CPC (source: EP US)
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Cited by
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