

Title (en)
COMPOSITE STRUCTURAL MEMBER

Publication
EP 0139854 A3 19860219 (DE)

Application
EP 84107780 A 19840704

Priority
DE 3332618 A 19830909

Abstract (en)
[origin: US4642870A] A method for producing a connection between at least one metal part having at least one longitudinally extending groove formed at one surface thereof and a thermoplastic part of plate, strip or bar configuration at least a portion of which, to be disposed in said groove, is adapted to soften or melt on the application thereto of a predetermined level of heat, wherein knurling is provided on at least a portion of the groove wall surface and heat is applied to soften or melt a portion of said thermoplastic part disposed in said groove to have at least a part of the softened or melted portion thereof serve to cap and dispose in spaces about raised and projected portions of said knurling and set thereabout to produce a fixed interconnection of said parts. Preferably there is a use of one or more contact pressure elements comprising a portion of electrolyte copper through which current is applied to produce said melting or softening of the thermoplastic part.

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E06B 3/26

IPC 8 full level
E06B 3/26 (2006.01); **E06B 3/273** (2006.01)

CPC (source: EP US)
E06B 3/273 (2013.01 - EP US); **Y10T 29/49838** (2015.01 - EP US); **Y10T 29/49915** (2015.01 - EP US)

Citation (search report)
• [X] DE 2361323 A1 19750612 - SCHUERMAN & CO HEINZ
• [X] DE 2744553 A1 19790405 - HARTMANN & CO W
• [EL] DE 3320931 A1 19841213 - GARTNER & CO J [DE]

Cited by
CN105345740A; GB2204613A

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0139854 A2 19850508; EP 0139854 A3 19860219; EP 0139854 B1 19880921; AT E37421 T1 19881015; CA 1241806 A 19880913; DE 3332618 A1 19850321; DE 3332618 C2 19891102; DE 3474185 D1 19881027; US 4642870 A 19870217

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