

Title (en)

JOINING SECTIONS USING BRAZING OR WELDING AND A METHOD FOR DOING IT

Publication

EP 0042146 B1 19840905 (DE)

Application

EP 81104503 A 19810611

Priority

- DE 3022197 A 19800613
- DE 3121474 A 19810529

Abstract (en)

[origin: EP0042146A1] 1. A process for the production of a brazed or welded joint between two sections (1, 2), in particular hollow sections, which may abut against one another in a plane by means of a mitre-joint, in which an intermediate piece (3) is arranged in the cutting plane of the two hollow sections (1, 2) and incorporated into the brazed and welded joint, and in which the intermediate piece has projections which protrude into the interiors of the two hollow sections to be joined and hold the sections during joining, characterized by the following features : a) before the joining process, a flat intermediate piece (3) is arranged between the two hollow sections (1, 2) which abut against one another and have an undiminished cross-section, the outer contour of which intermediate piece (3) corresponds to the outer contour of the cutting planes of the hollow sections (1, 2), which are to be joined, or uniformly protrudes outwardly by about 1.5 mm on all sides ; b) hollow sections made of light metal, in particular of extruded material, are used, the intermediate piece (3) serving as an additional material during brazing or welding.

IPC 1-7

E06B 3/05; B23K 31/00; F16B 7/00

IPC 8 full level

E06B 3/96 (2006.01)

CPC (source: EP)

E06B 3/9608 (2013.01)

Cited by

AT388020B; DE19519174A1; DE19519174C2; US5318216A

Designated contracting state (EPC)

BE FR GB IT NL SE

DOCDB simple family (publication)

EP 0042146 A1 19811223; **EP 0042146 B1 19840905**

DOCDB simple family (application)

EP 81104503 A 19810611