

Title (en)
Workpiece joint

Title (de)
Bauteilverbindung

Title (fr)
Raccordement de pièces

Publication
EP 1640079 A1 20060329 (DE)

Application
EP 05017272 A 20050809

Priority
DE 102004047229 A 20040927

Abstract (en)
The constructional element (1) has an upper (2) and lower (3) U-shaped member with sloping sides and outward-extending first (6) and second (7) flanges. The second pair of flanges are folded over the first (8) and the folded-over edge is crimped (9) onto the edge of the first flange. The two crimped-together members form a hollow frame member (4). The folded-over flanges form contact areas (5).

IPC 8 full level
B21D 39/02 (2006.01)

CPC (source: EP US)
B21C 37/104 (2013.01 - EP US); **B21C 37/108** (2013.01 - EP US)

Citation (applicant)
US 4800634 A 19890131 - GERSTNER RICHARD [DE], et al

Citation (search report)
• [X] DE 10326609 A1 20040624 - VOLKSWAGEN AG [DE]
• [X] DE 19649443 A1 19970619 - PUERTAS PADILLA S L [ES]
• [X] DE 3522253 A1 19860403 - KUNZ DIETER

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1640079 A1 20060329; DE 102004047229 A1 20060413; US 2006068652 A1 20060330

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