

Title (en)

Panel assembly of hemmed panels and its method of manufacture

Title (de)

Aus gefalzten Blechen bestehendes Bauteil, sowie dessen Herstellungsverfahren

Title (fr)

Assemblage des panneaux sertis par pliage et un méthode de fabrication d'un tel assemblage

Publication

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Application

EP 99307792 A 19991004

Priority

GB 9822625 A 19981017

Abstract (en)

Production of a satisfactory outer profile for a hemmed joint is often difficult due the bending of a hem being conducted without anything to provide back resistance to the bending motion. A first inner panel 4 and a method for joining the first inner panel to a second outer panel 8 are disclosed. A hem 22 of the second panel 8 is wrapped around an edge 2 of the first panel provided along at least a part of its length with a die cast bead 14 to secure the edge of the first panel within a channel 34 formed thereby in the second panel. The die cast bead 14 provides a back resistance during this bending of the hem portion about the lip of the bead. <IMAGE>

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B21D 39/02

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XY] US 5237734 A 19930824 - POLON MARIO A [US]
- [Y] JP H08282295 A 19961029 - NIPPON LIGHT METAL CO, et al
- [Y] DE 19708369 C1 19980423 - WEBASTO KAROSSERIESYSTEME [DE], et al
- [X] EP 0832705 A2 19980401 - DAIMLER BENZ AG [DE]

Cited by

CN100381222C; CN107457316A; WO2004101315A3

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GB 2342607 A 20000419; GB 2342607 B 20020911; GB 9923274 D0 19991208; DE 69908732 D1 20030717; DE 69908732 T2 20040513;
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