

Title (en)
PROFILE COMPOSITE COMPONENT AND METHOD FOR THE PRODUCTION THEREOF

Title (de)
PROFILVERBUNDBAUTEIL UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)
COMPOSANT COMPOSITE PROFILE ET PROCEDE DE FABRICATION

Publication
EP 1282499 A1 20030212 (DE)

Application
EP 01980211 A 20010425

Priority
• DE 10022360 A 20000508
• EP 0104632 W 20010425

Abstract (en)
[origin: DE10022360A1] Composite component comprises two or more profiles assembled to form a structure. Reinforcing elements (3,3') are located at each connecting joint (10) where one profile (1) adjoins or inserts into another profile (2) and forms a positive connection with them. Thermoplastic resin is then injected or shrunk onto the connecting point to join the profiles together. Independent claims are made for: (a) a use of the composite part as a structural member in motor vehicles, especially doors, impact bumpers, front and rear body parts, door support frames, instrument panels, tailgate supports, roof frames and decorative parts; machines; electronic products; household goods and construction; and (b) a process for production of the composite component in which two or more profiles (1,2) are inserted into or are enclosed by reinforcing members (3,3') to form a connecting joint (10) and either a thermoplastic plastic is injected to join the profiles or pieces of shrinkable thermoplastic (4) are placed around the joint and shrunk into position.

IPC 1-7
B29C 45/14; **B29C 65/70**; **F16B 7/04**

IPC 8 full level
B29C 45/14 (2006.01); **B29C 65/66** (2006.01); **B29C 65/68** (2006.01); **B29C 65/70** (2006.01); **B60J 5/00** (2006.01); **B62D 29/00** (2006.01); **B62D 29/04** (2006.01); **F16B 7/00** (2006.01); **F16S 3/02** (2006.01); **B29C 45/33** (2006.01); **B29L 31/30** (2006.01)

CPC (source: EP KR US)
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