

Title (en)
SPACE UTILIZATION/COMPONENT INTEGRATION USING BLOW MOLDING TECHNOLOGY

Title (de)
RAUMNUTZUNG BZW. INTEGRATION VON KOMPONENTEN DURCH BLASFORMEN

Title (fr)
UTILISATION D'ESPACE/INTEGRATION DE COMPOSANTS METTANT EN OEUVRE UNE TECHNOLOGIE DE MOULAGE PAR SOUFFLAGE

Publication
EP 1282496 A2 20030212 (EN)

Application
EP 00983849 A 20001130

Priority
• US 0032684 W 20001130
• US 16817799 P 19991130

Abstract (en)
[origin: WO0139949A2] Various plastic structures for automotive applications are disclosed. The plastic structures are preferably produced by blow molding and comprise at least one cavity, generally for containing a vehicle component therein, formed within the confines of the wall structure. Exemplary applications of the plastic structures include various fluid reservoirs located in the engine compartment (e.g. along the fender inner panel, the wheel well liner, the underside of the hood, the cowl, the firewall, and the front-end structure), the passenger compartment (e.g. rear shelf, door arrangements), beneath the vehicle (e.g. fuel tanks, spare tire holders) and alongside the vehicle (e.g. step platforms). Still other applications of the plastic structures include battery holders, cable guides, ducts, filter housings, electrical housings, HVAC housings, a wheel well liner, acoustic resonators, headlamp receptacles, radiator frames, fan shrouds, bumpers, tool platforms, access panels, running boards, step wells, steering wheels, seat frames, mirror housings, spare wheel wells, spare wheel mounting brackets, engine covers, floor pans, engine cowls, and vacuum reservoirs. [origin: WO0139949A2] Plastic structures for automotive applications are disclosed. The structures are preferably produced by blow molding and comprise at least one hollow structure (100) containing a cavity (204), generally containing a vehicle component therein, formed within the confines of the wall structure, such as a battery holder (208).

IPC 1-7
B29C 31/00

IPC 8 full level
B60K 15/03 (2006.01); **B60R 11/00** (2006.01); **B60R 11/06** (2006.01); **B60R 13/00** (2006.01); **B60R 13/02** (2006.01); **B60R 13/04** (2006.01); **B60R 15/00** (2006.01); **B60R 19/48** (2006.01); **B60R 19/50** (2006.01); **B60R 19/52** (2006.01); **B60R 19/54** (2006.01); **B60S 1/50** (2006.01); **B62D 25/04** (2006.01); **B62D 25/06** (2006.01); **B62D 25/08** (2006.01); **B62D 25/12** (2006.01); **B62D 25/16** (2006.01); **B62D 25/18** (2006.01); **B62D 29/04** (2006.01); **B62D 43/02** (2006.01); **B62D 43/10** (2006.01); **F01P 11/02** (2006.01); **B29C 45/17** (2006.01); **B29C 49/04** (2006.01); **B29C 49/06** (2006.01)

CPC (source: EP)
B60K 15/03177 (2013.01); **B60R 11/00** (2013.01); **B60R 11/06** (2013.01); **B60R 13/00** (2013.01); **B60R 13/02** (2013.01); **B60R 13/0225** (2013.01); **B60R 13/0237** (2013.01); **B60R 13/0268** (2013.01); **B60R 13/04** (2013.01); **B60R 15/00** (2013.01); **B60R 19/48** (2013.01); **B60R 19/50** (2013.01); **B60R 19/52** (2013.01); **B60R 19/54** (2013.01); **B60S 1/50** (2013.01); **B62D 25/04** (2013.01); **B62D 25/06** (2013.01); **B62D 25/081** (2013.01); **B62D 25/084** (2013.01); **B62D 25/12** (2013.01); **B62D 25/161** (2013.01); **B62D 25/18** (2013.01); **B62D 29/04** (2013.01); **B62D 43/02** (2013.01); **B62D 43/10** (2013.01); **F01P 11/029** (2013.01); **B29C 45/1704** (2013.01); **B29C 49/04** (2013.01); **B29C 49/06** (2013.01); **B29C 2045/1724** (2013.01); **B29C 2949/0715** (2022.05); **B29L 2031/3005** (2013.01); **B60R 13/0275** (2013.01); **B60R 2013/0281** (2013.01); **B60R 2013/0287** (2013.01)

Designated contracting state (EPC)
AT BE DE

DOCDB simple family (publication)
WO 0139949 A2 20010607; **WO 0139949 A3 20021128**; AU 2055701 A 20010612; EP 1282496 A2 20030212; EP 1282496 A4 20030924

DOCDB simple family (application)
US 0032684 W 20001130; AU 2055701 A 20001130; EP 00983849 A 20001130