

Title (en)
STRUCTURAL CROSSBEAM AND METHOD FOR MAKING SAME

Title (de)
QUERTRAGPROFIL UND VERFAHREN

Title (fr)
POUTRE TRANSVERSALE STRUCTURANTE ET PROCEDE DE REALISATION

Publication
EP 1178920 A1 20020213 (FR)

Application
EP 01919527 A 20010319

Priority
• FR 0100807 W 20010319
• FR 0003527 A 20000320

Abstract (en)
[origin: WO0170558A1] The invention aims at reducing space requirement caused by the presence, in a common site, structural means for air distribution and optionally electric cable bundles, for example beneath the floor on board a vehicle, without incurring heat losses. In order to achieve this, the invention provides a structural crossbeam (1) having a hollow internal space capable of transporting filtered air and functional cutouts, wherein at least a transverse duct is formed by an extruded plastic profile locally overmoulded around the cutouts provided for various functions. The duct and the over-mouldings can advantageously, at least partly, be made of a pultruded composite material comprising fibres embedded in a binder resin. The over-mouldings (3, 20, 21, 25) of the duct (8) preferably have rigidifying ribs (16a, 16b, 16c, 16d).

IPC 1-7
B62D 25/14; **B62D 29/04**; **B60H 1/00**

IPC 8 full level
B62D 25/08 (2006.01); **B29C 70/06** (2006.01); **B29C 70/52** (2006.01); **B60H 1/00** (2006.01); **B62D 25/14** (2006.01); **B62D 29/04** (2006.01)

CPC (source: EP)
B60H 1/0055 (2013.01); **B60H 1/00564** (2013.01); **B60H 1/242** (2013.01); **B62D 25/142** (2013.01); **B62D 25/145** (2013.01); **B62D 29/04** (2013.01)

Citation (search report)
See references of WO 0170558A1

Designated contracting state (EPC)
DE ES GB IT

DOCDB simple family (publication)
WO 0170558 A1 20010927; EP 1178920 A1 20020213; FR 2806366 A1 20010921; FR 2806366 B1 20020726; JP 2003528000 A 20030924

DOCDB simple family (application)
FR 0100807 W 20010319; EP 01919527 A 20010319; FR 0003527 A 20000320; JP 2001568779 A 20010319