

Title (en)

Elastic sidewall for covering the bellows of an intercommunicating gangway between two articulated vehicles or vehicle parts

Title (de)

Elastische Seitenwand zur Abdeckung eines Balges eines Übergangs zwischen zwei gelenkig miteinander verbundenen Fahrzeugen oder Fahrzeugteilen

Title (fr)

Paroi latérale élastique pour le recouvrement du soufflet d'une intercirculation entre deux véhicules ou parties de véhicules articulés

Publication

EP 1695889 A3 20071010 (DE)

Application

EP 06001917 A 20060131

Priority

DE 102005008231 A 20050223

Abstract (en)

[origin: EP1695889A2] The sidewall is a laminated multi-layer construction comprising layers of reinforcement(3,5) in the form of knitted, woven or non-woven materials. An intermediate layer(4) between one or more layers of reinforcement acts as a flow distributor for an impregnating resin. An elastomer insert(6) at the side of the sidewall connects with the reinforcing layers. The intermediate layer(4) can be a perforated foil or a porous membrane to allow trapped air to escape. Different types of reinforcement layers may be incorporated in a sidewall. A flame resistant coating may be applied to the sidewall. The elastomer insert(6) has an angled shape. An independent claim is included for a process for manufacturing the elastic sidewall in which individual layers(3,4,5) are laid in a tool(1) and sealed, e.g. with a film(12), to give an airtight structure. A vacuum injection molding process is then used to impregnate the reinforcement and the structure is heated to cure, preferably at 100-120[deg]C, but not >140[deg]C, which also cures the unvulcanized elastomer insert.

IPC 8 full level

B61D 17/22 (2006.01); **B60D 5/00** (2006.01)

CPC (source: EP)

B61D 17/22 (2013.01)

Citation (search report)

- [A] DE 10208557 A1 20030911 - CONTITECH ELASTOMER BESCH GMBH [DE]
- [A] DE 19742749 C1 19990429 - LOTTES ALFRED [DE]
- [A] DE 19543172 C1 19970515 - DUEWAG AG [DE]
- [A] DE 10013409 C1 20001123 - DAIMLER CHRYSLER AG [DE]
- [A] EP 0156148 A2 19851002 - AMERICAN CYANAMID CO [US]

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 06001917 A 20060131; AT 06001917 T 20060131; CN 200610008051 A 20060223; DE 102005008231 A 20050223; DE 502006001797 T 20060131; JP 2006044001 A 20060221