

Title (en)
Thermal insulating floor construction

Title (de)
Wärmeisolierende Bodenkonstruktion

Title (fr)
Structure de sol à isolation thermique

Publication
EP 2452896 A3 20120530 (DE)

Application
EP 11008823 A 20111107

Priority
DE 102010050891 A 20101110

Abstract (en)
[origin: EP2452896A2] The structure has an upper cover layer spaced at a distance to a lower cover layer. Transverse carriers are arranged between the lower and upper cover layers. The carriers together with the cover layers limit a gap (18). The upper cover layer comprises a strand profile (16) with a hollow region (42) opened to the gap. The gap and the hollow region of the strand profile are approximately and completely filled with a foam material (20). The hollow region of the profile is defined by bars (26) extending from an outer wall (24) of the strand profile vertically inward in direction of the carriers. An independent claim is also included for a method for manufacturing a heat insulating floor structure for a vehicle and a container.

IPC 8 full level
B65D 88/74 (2006.01); **B65D 90/02** (2019.01); **B65D 90/06** (2006.01)

CPC (source: EP US)
B65D 90/006 (2013.01 - EP); **B65D 90/02** (2013.01 - EP US); **B65D 90/022** (2013.01 - EP)

Citation (search report)

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- [X] EP 0348629 A2 19900103 - HAUSACH UMFORMTECHNIK [DE]
- [X] US 2004045847 A1 20040311 - FAIRBANK DAVID [GB]
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- [A] WO 0183327 A1 20011108 - AMERICAN COMPOSITE MATERIALS E [US], et al

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CN109677792A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2452896 A2 20120516; EP 2452896 A3 20120530; EP 2452896 B1 20160629; CN 102537591 A 20120704; CN 102537591 B 20160803; CN 105620960 A 20160601; DE 102010050891 A1 20120510; EP 2583914 A1 20130424; EP 2583914 B1 20170111; ES 2592563 T3 20161130; ES 2622434 T3 20170706; PL 2452896 T3 20170630; PL 2583914 T3 20170630

DOCDB simple family (application)
EP 11008823 A 20111107; CN 201110355265 A 20111110; CN 201510264485 A 20111110; DE 102010050891 A 20101110; EP 13151580 A 20111107; ES 11008823 T 20111107; ES 13151580 T 20111107; PL 11008823 T 20111107; PL 13151580 T 20111107