

Title (en)
IMPROVED SUPPORT STRUCTURE FOR THE HUMAN BODY

Title (de)
VERBESSERTE STÜTZSTRUKTUR FÜR DEN MENSCHLICHEN KÖRPER

Title (fr)
STRUCTURE DE SUPPORT AMÉLIORÉE DESTINÉE AU CORPS HUMAIN

Publication
EP 2867107 A1 20150506 (EN)

Application
EP 13765772 A 20130627

Priority

- CH 9042012 A 20120627
- IB 2013055288 W 20130627

Abstract (en)
[origin: WO2014002047A1] A human body support structure comprises a shell (2) with a pad (4) thereon, the latter being in turn covered by a cover (7). The pad (4) and/or the cover (7) are made from a formulation comprising at least one fossil-derived polymeric material and at least one renewable source-derived material, and the materials in the formulation are selected such that the carbon footprint, as defined in accordance with the standard ISO 14067 in terms of amount of carbon dioxide equivalent (CO₂e) per unit weight of the formulation is relatively low and the percent radiocarbon-14 (pMC), as defined according to the standard ASTM D6866 per unit weight of the formulation is relatively high. The formulation for forming the lower layer (5) of the pad (4) comprises a foamed polymeric preparation comprising a polyol phase, an isocyanate phase, an additive phase, and a plasticizer phase, wherein the additive phase comprises fossil-derived and renewable source-derived additives, the later comprising additives selected from the group comprising hydrogenated castor oil-derived plasticizers, crosslinking agents, catalysts, foaming agents, and wherein said plasticizers are derived from hydrogenated castor oil.

IPC 8 full level
B62J 1/00 (2006.01); **B60N 2/90** (2018.01); **C08G 18/00** (2006.01)

CPC (source: EP)
B62J 1/002 (2013.01); **C08G 18/36** (2013.01); **C08G 18/4072** (2013.01); **C08G 18/4833** (2013.01); **C08G 18/632** (2013.01); **C08G 18/6696** (2013.01); **C08G 2110/0008** (2021.01); **C08G 2110/0033** (2021.01)

Citation (search report)
See references of WO 2014002047A1

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)
WO 2014002047 A1 20140103; CH 706685 A2 20131231; EP 2867107 A1 20150506

DOCDB simple family (application)
IB 2013055288 W 20130627; CH 9042012 A 20120627; EP 13765772 A 20130627