

Title (en)

LIGHTWEIGHT STRUCTURE AND METHOD FOR PRODUCING A LIGHTWEIGHT STRUCTURE

Title (de)

LEICHTBAUSTRUKTUR UND VERFAHREN ZUM HERSTELLEN EINER LEICHTBAUSTRUKTUR

Title (fr)

STRUCTURE DE CONSTRUCTION LÉGÈRE ET PROCÉDÉ DE FABRICATION D'UNE STRUCTURE DE CONSTRUCTION LÉGÈRE

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Application

EP 14786643 A 20141008

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Abstract (en)

[origin: WO2015052257A1] The lightweight structure (8) according to the invention has at least one substantially plate-shape structural wall (4) and an enveloping element (1). The structural wall and the enveloping element are each made of a fiber composite material. The structural wall (4) is made of a first fiber outer layer (1b) and a second fiber outer layer (1c). A U-shaped profiled connection section (5) is arranged at least in a sub-region of the end face (6) of the structural wall (4), said profiled connection section having a base wall (9) and two lateral walls (10). The base wall (9) is arranged so as to rest against the end face (6) of the structural wall (4), the lateral walls (10) of the U-shaped profiled connection section (5) are arranged so as to rest against the outer surfaces of the first and second fiber outer layers (1b, 1c), and the base wall and the lateral walls are connected to the fiber outer layers (1b, 1c).

IPC 8 full level

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Citation (search report)

See references of WO 2015052257A1

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