

Title (en)

ALUMINIUM CHASSIS HAVING HEAT INSULATING FOAM FILLED IN OPENING PORTION, ITS MANUFACTURING METHOD AND APPARATUS

Title (de)

ALUMINIUM RAHMEN MIT WÄRMEISOLIERENDEM SCHAUMSTOFF IN EINER ÖFFNUNG, VERFAHREN ZU DESSEN HERSTELLUNG, SOWIE DESSEN HERSTELLUNGSGERÄT

Title (fr)

CHASSIS EN ALUMINIUM DOTE DE MOUSSE THERMO-ISOLANTE REMPLISSANT UNE PARTIE OUVERTE, SON PROCEDE ET SON APPAREIL DE PRODUCTION

Publication

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Application

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Abstract (en)

[origin: WO9942352A2] The present invention relates to an aluminium chassis having heat insulating foam filled in an opening portion, its process and apparatus. There is provided a method for forming heat insulating foam in the opening portion of the aluminium chassis comprising: applying adhesives to the opening portion while the aluminium chassis is moved at a regular speed by an ordinary control unit; closing partially an upper part of an opening portion of the aluminium chassis applied with the adhesives; filling preliminary granular foam into the opening portion; supplying dry vapor directly to the preliminary granular foam; heating indirectly the aluminium chassis while it is transferred; discharging the aluminium chassis; and cooling the aluminium chassis. According to the present invention, the heat insulating foam is filled in the opening portion in accordance with the present invention, whereby enhancing soundproof capability and heat insulating capability. Furthermore, productivity and working efficiency is enlarged as the process for forming the heat insulating foam is carried out successively.

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