

Title (en)

METHOD FOR CHECKING THE FUNCTIONAL CAPABILITY OF THE THERMAL INSULATION OF A TRANSPORT CONTAINER

Title (de)

VERFAHREN ZUR ÜBERPRÜFUNG DER FUNKTIONSTÜCHTIGKEIT DER WÄRMEISOLATION EINES TRANSPORTBEHÄLTERS

Title (fr)

PROCÉDÉ DE CONTRÔLE DE LA CAPACITÉ DE FONCTIONNEMENT D'UNE ISOLATION THERMIQUE D'UN CONTENEUR DE TRANSPORT

Publication

EP 3589929 A1 20200108 (DE)

Application

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- EP 2018054948 W 20180228

Abstract (en)

[origin: WO2018158323A1] The invention relates to a method for checking the functional capability of the thermal insulation of a transport container, at least one vacuum insulation panel being installed in the thermal insulation of the transport container, which vacuum insulation panel consists of a porous core material of low thermal conductivity and a gas-tight casing, which surrounds the core material in a tightly contacting manner at very low internal pressure, and which vacuum insulation panel has a pressure sensor and a transponder connected to the pressure sensor within the casing, the transponder being controlled for checking by means of an external reading device from outside the thermal insulation and the response signal of the transponder being captured (read out) and the response signal being evaluated with respect to whether the internal pressure in the vacuum insulation panel is correctly low or incorrectly high. Said method is characterized in that the external reading device can be moved and, while the transport container stands still or is moved in a controlled manner, the external reading device is moved to a specified position relative to the transport container in an automated, motorized manner, said position being suitable for reading out the transponder, that the response signal of the transponder is captured there and that the captured response signal of the transponder is electronically evaluated in an automated manner.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2018158323A1

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