

Title (en)

JOINT LOCKING TECHNOLOGY OF HEAT-INSULATING MATERIAL

Title (de)

GELENKBLOCKIERUNGSTECHNIK AUS WÄRMEDÄMMENDEM MATERIAL

Title (fr)

TECHNIQUE D'ASSEMBLAGE À JOINT SAILLANT D'UN MATÉRIAU THERMIQUE ISOLANT

Publication

**EP 3517697 A4 20191204 (DE)**

Application

**EP 16916907 A 20161110**

Priority

- RU 2016138156 A 20160926
- RU 2016000759 W 20161110

Abstract (en)

[origin: RU2645190C1] FIELD: construction.SUBSTANCE: invention relates to construction industry, in particular to the installation of external and/or internal insulation of various construction sites using Tepofol®, a heat-insulating material. Locking technology of seamless welding of connecting locks of heat-insulating material, the size of which varies from 10 to 250 mm, includes two layers of roll insulation, consisting of non-cross-linked polyethylene foam (non-cross-linked PE foam) and heat-reflecting coating, the surfaces of which are glued together with a heat gun by heating the surfaces to be glued to a temperature of 110–120 °C to achieve an integral, pressure-tight, seamless, heat-insulating web, fully formed from the roll insulation of non-cross-linked PE foam. Connecting locks are cut in two ways: directly during the production process of insulation, becoming in that case an integral element of the finished product, or at the time of installation work on the site when an additional locking connection is required to comply with the installation conditions.EFFECT: invention allows to increase the energy efficiency of the facilities in the subsequent long-term operation, to reduce the labor costs and the costs of carrying out repair and insulation works during the installation of the thermal insulation Tepofol® due to simple and easy technology of installation and welding of locking systems.4 cl, 1 dwg

IPC 8 full level

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Citation (search report)

- [X] US 2010162657 A1 20100701 - SWEI GWO [US], et al
- See references of WO 2018056862A1

Cited by

CN111805922A

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

**EP 3517697 A1 20190731**; **EP 3517697 A4 20191204**; RU 2645190 C1 20180216; WO 2018056862 A1 20180329

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