

Title (en)
BRACKET FOR VENTILATED FACADE

Title (de)
HALTERUNG FÜR HINTERLÜFTETE FASSADE

Title (fr)
SUPPORT POUR FAÇADE VENTILÉE

Publication
EP 3495583 B1 20240214 (EN)

Application
EP 18205887 A 20181113

Priority
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Abstract (en)
[origin: EP3495583A1] The present invention provides a bracket for ventilated façade with improved mechanical strength characteristics suitable for use in structures for ventilated façade, but at the same time it has a significantly lower thermal conductivity, which ensures a better thermal performance of the building. The transverse cross-sectional shape of the provided bracket resembles a rectangle with one partially removed border, its middle parts, i.e. the shape resembles the "⌋" shape. Such transverse cross-sectional shape provides better mechanical strength characteristics without increasing the transverse cross-sectional area. The provided bracket is formed using composite materials, polymeric resins, which are reinforced with fibres; in the present invention, fibres are made using basalt. Such material of the structure of the bracket ensures low (compared to the normal metal) thermal conductivity. Reinforcing fibres of different orientation are used to further increase mechanical strength. In the present invention, longitudinal fibres are used, and then they are coated with a mat or fabric layer, if needed, it is further coated with a veil.

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Citation (examination)
• EP 3222794 A1 20170927 - STO SE & CO KGAA [DE]
• GB 2513464 A 20141029 - MAGMATECH LTD [GB]
• DE 29703013 U1 19970403 - BWM DUEBEL & MONTAGETECH [DE]

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