

Title (en)
Fire-resistant housing for a frequency converter

Title (de)
Brandbeständiges Gehäuse für einen Stromrichter

Title (fr)
Boîtier ignifuge pour un convertisseur de courant

Publication
EP 2433676 B1 20170322 (DE)

Application
EP 11182275 A 20110922

Priority
AT 16192010 A 20100928

Abstract (en)
[origin: EP2433676A2] The housing has a heat insulation part (4) i.e. fire protection plate or gypsum fiberboard, made of a non-inflammable material e.g. mineral wool and calcium silicate, and arranged at an outer wall surface (22) of a housing part (12) to avoid heat flow into an adjacent outer space (13) during fire in an inner space (11) of a converter. The heat insulation part is connected with the housing part by a material-engagement connection (20) and a fire-proof form-fit connection (21). The material-engagement connection is formed by an adhesive film (2), where the housing is made of a metallic material. The housing part is formed as a door- or cover part or a side part.

IPC 8 full level
A62C 2/06 (2006.01); **A62C 3/07** (2006.01); **A62C 3/16** (2006.01); **H02B 1/28** (2006.01)

CPC (source: EP)
A62C 2/06 (2013.01); **A62C 3/16** (2013.01); **A62C 3/07** (2013.01)

Citation (examination)
EP 1882496 A1 20080130 - SIEMENS AG [DE]

Cited by
EP3157785B1; CN112546495A; CN106300043A; DE102014216425A1; DE102015219562A1; US10574036B2

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DOCDB simple family (publication)
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