

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 A3 20130724 (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 (search report)

- [Y] DE 3718911 A1 19881222 - WREDE & NIEDECKEN GMBH [DE]
- [Y] EP 1948881 A1 20080730 - AKER YARDS CABINS OY [FI]
- [Y] EP 1215420 A2 20020619 - MARVON S R L [IT]
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- [A] DE 20217661 U1 20030206 - RILLING ULRICH [DE], et al

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

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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BA ME

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DOCDB simple family (application)
EP 11182275 A 20110922; DK 11182275 T 20110922; ES 11182275 T 20110922; HU E11182275 A 20110922; PL 11182275 T 20110922; PT 11182275 T 20110922; SI 201131213 A 20110922