

Title (en)

Filter grid for separating cleaning bodies from a carrier fluid of a heat exchanger

Title (de)

Filtergitter zur Trennung von Reinigungskörpern aus der Trägerflüssigkeit eines Wärmetauschers

Title (fr)

Grille de filtration destinée à séparer d'un fluide porteur des corps nettoyants provenant d'un échangeur thermique

Publication

EP 1777482 A1 20070425 (FR)

Application

EP 06291623 A 20061018

Priority

FR 0510668 A 20051019

Abstract (en)

The element has metal supports (14) arranged parallel to each other and perpendicular to parallel metal lamellas (13), where the lamellas have a triangular profile and are fixed on the supports by welding. Each support is a mono-block piece presenting a U-profile with a core (15) extended on both sides by two legs (16) perpendicular to the core. One series of the lamellas are welded to the cores of the supports and other series of the lamellas are welded to the legs. Each support has a rib (20) projected on an outer edge (21) on which the lamellas are welded. Independent claims are also included for the following: (1) a method of manufacturing a filtering element (2) a device for separating a carrier fluid of cleaning bodies.

IPC 8 full level

F28G 1/12 (2006.01)

CPC (source: EP)

F28G 1/12 (2013.01)

Citation (search report)

- [X] US 2001009192 A1 20010726 - QUERTELET STEPHEN [FR]
- [X] EP 0352191 A1 19900124 - METAL DEPLOYE LE [FR]
- [A] GB 2142407 A 19850116 - ISHIKAWAJIMA HARIMA HEAVY IND
- [A] US 2002017379 A1 20020214 - JACKSON PHILIP [FR]
- [DA] FR 2815548 A1 20020426 - TECHNOS ET CIE [FR]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1777482 A1 20070425; EP 1777482 B1 20090121; AT E421672 T1 20090215; DE 602006004940 D1 20090312; ES 2321441 T3 20090605; FR 2892185 A1 20070420; FR 2892185 B1 20081226

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