

Title (en)

Heat exchanger with stacked extruded profiles

Title (de)

Wärmetauscher mit gestapelten Strangpressprofilelementen

Title (fr)

Echangeur thermique avec des éléments extrudés et empilés

Publication

EP 2336697 A3 20150218 (DE)

Application

EP 10193673 A 20101203

Priority

DE 102009058069 A 20091214

Abstract (en)

[origin: EP2336697A2] The heat exchanger comprises multiple line units (200), particularly flat pipes that are stacked one above the other, which has a through-hole (222) for supplying or guiding a medium at their ends (212). The line unit end is gripped in an accessory shoe. The line unit is formed in a single piece manner from an extruded section element with a fluid-tight inner channel (214,220).

IPC 8 full level

F28D 1/053 (2006.01); **F28F 1/02** (2006.01)

CPC (source: EP)

F28D 1/05358 (2013.01); **F28F 1/022** (2013.01); **F28F 2255/16** (2013.01)

Citation (search report)

- [XY] FR 2858399 A1 20050204 - VALEO THERMIQUE MOTEUR SA [FR]
- [Y] EP 0248222 A2 19871209 - NORSK HYDRO AS [NO]
- [Y] DE 19719260 C1 19980924 - VALEO KLIMATECH GMBH & CO KG [DE]
- [X] FR 2864215 A1 20050624 - VALEO CLIMATISATION [FR]
- [X] JP H11230693 A 19990827 - SHOWA ALUMINUM CORP
- [A] FR 2860288 A1 20050401 - VALEO THERMIQUE MOTEUR SA [FR]
- [A] EP 0596507 A1 19940511 - NIPPON DENSO CO [JP], et al
- [A] EP 1788334 A2 20070523 - BEHR GMBH & CO KG [DE]

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2336697 A2 20110622; EP 2336697 A3 20150218; EP 2336697 B1 20160810; DE 102009058069 A1 20110616

DOCDB simple family (application)

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