

Title (en)

Hydrothermic radiator composed of aluminium alloy extruded segment sections, joined by means of permanent fixing parts.

Title (de)

Warmwasserradiator, zusammengesetzt aus extrudierten Elementen einer Aluminiumlegierung, die durch Verbindungsstücke unlösbar verbunden sind.

Title (fr)

Radiateur hydrothermique, constitué par éléments extrudés d'un alliage d'aluminium, joint par des raccords permanents.

Publication

**EP 0067798 A1 19821222 (EN)**

Application

**EP 82830163 A 19820608**

Priority

IT 2227681 A 19810612

Abstract (en)

The hydrothermic heating radiator is composed by aluminium alloy extruded bar sections, permanently joined by means of a connecting component, fixed both to the collector and to the heating element by sticking and/or mechanical shrinking.

IPC 1-7

**F28F 9/26**; **F28D 1/04**

IPC 8 full level

**F28D 1/053** (2006.01); **F28F 1/16** (2006.01); **F28F 9/16** (2006.01); **F28F 9/26** (2006.01)

CPC (source: EP)

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Citation (search report)

- [X] FR 2205655 A1 19740531 - ALUMASC LTD [GB]
- [X] FR 2259340 A1 19750822 - IWET ANSTALT [LI]
- [A] BE 809318 A 19740502
- [A] DE 2412735 A1 19750925 - LUDWIG ERICH DIPL ING
- [A] GB 1492916 A 19771123 - LYNCH H, et al
- [A] FR 1530882 A 19680628 - BOLKOW GMBH
- [A] FR 2357847 A1 19780203 - KELLER EDUARD AG [CH]
- [A] DE 2815465 A1 19791018 - ECONOMIC ENERGY SYST NV

Cited by

EP0142214A1; EP0300432A1; EP0188385A1; US4703889A; CN114945779A; EP4036491A4; WO8404578A1; WO0036357A1; WO9718429A1

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