

Title (en)

Cooler arrangement

Title (de)

Kühleranordnung

Title (fr)

Aménagement d'échangeur de chaleur

Publication

EP 1182334 A3 20031015 (DE)

Application

EP 01115149 A 20010622

Priority

DE 10041795 A 20000825

Abstract (en)

[origin: EP1182334A2] The cooler assembly consists of cooler units (1-4) each having two collectors (5). One inlet or outlet (Z,A) is located on the rear side of the cooler and another on the front side. The length and cross section of the inlet and outlet pipes (L) for each connected cooler unit is approximately the same, and the inlet and outlet pipes are fitted together in modular form. One inlet or outlet is located in the corner region of the rear wall (R) and the other is located in the corner region of the front wall diagonal to it.

IPC 1-7

F01P 11/04; **F01P 3/18**

IPC 8 full level

F01P 3/18 (2006.01); **F01P 11/04** (2006.01); **F28D 1/04** (2006.01); **F28F 9/04** (2006.01)

CPC (source: EP)

F01P 3/18 (2013.01); **F01P 11/04** (2013.01); **F28D 1/0426** (2013.01); **F28F 9/0246** (2013.01); **F01P 2003/182** (2013.01); **F28D 2021/0082** (2013.01); **F28D 2021/0094** (2013.01)

Citation (search report)

- [A] DE 19724728 A1 19990225 - LAENGERER & REICH GMBH & CO [DE], et al
- [A] DE 19713712 C1 19980416 - LAENGERER & REICH GMBH & CO [DE]
- [A] DE 4205234 A1 19930826 - DAIMLER BENZ AG [DE]
- [A] EP 0222636 A1 19870520 - VALEO [FR]
- [A] EP 0564761 A2 19931013 - LAENGERER & REICH GMBH & CO [DE]
- [A] DE 19527050 A1 19970130 - LAENGERER & REICH GMBH & CO [DE]
- [PDA] EP 1094288 A2 20010425 - MODINE MFG CO [US] & DE 19950753 A1 20010426 - MODINE MFG CO [US]

Cited by

US7028751B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1182334 A2 20020227; **EP 1182334 A3 20031015**; **EP 1182334 B1 20070207**; DE 10041795 A1 20020425; DE 50112000 D1 20070322

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