

Title (en)

Heat-exchanger having a finned tube bundle and a header box.

Title (de)

Wärmetauscher mit Rippenröhrenbündel und Endkammer.

Title (fr)

Echangeur de chaleur du type comprenant un faisceau de tubes à ailettes et un ensemble collecteur-boîte à eau.

Publication

EP 0567397 A1 19931027 (FR)

Application

EP 93401032 A 19930421

Priority

FR 9204860 A 19920421

Abstract (en)

The heat exchanger includes a finned tube bundle (12) and a manifold/header box assembly (26). The ends (16) of the tubes (12) are mounted sealed in the holes of a manifold (18), and at least one locking element (34) passes through the manifold (18) and extends beyond the latter in a direction parallel to that of the tubes. This element (34) includes an extension which comes to bear on the longitudinal edges (52,54) of a group of fins (14) adjacent to the manifold (18). <??>Application in particular to heat exchangers for motor vehicles. <IMAGE>

IPC 1-7

F28F 9/02; **F28D 1/053**

IPC 8 full level

F28D 1/053 (2006.01); **F28F 9/02** (2006.01); **F28F 9/16** (2006.01); **F28F 21/06** (2006.01)

CPC (source: EP US)

F28D 1/05316 (2013.01 - EP US); **F28F 9/02** (2013.01 - EP US); **F28F 9/165** (2013.01 - EP US); **F28F 21/067** (2013.01 - EP US); **F28F 2265/32** (2013.01 - EP US)

Citation (search report)

- [A] GB 2048451 A 19801210 - IMI MARSTON RADIATORS LTD
- [A] GB 2086561 A 19820512 - CHAUSSON USINES SA

Cited by

FR3081984A1; EP0624772A1; US11788804B2; WO2019229369A1

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