

Title (en)

Device for setting insertion slits for flat tubes in a header tube

Title (de)

Verfahren zum Einbringen von Flachrohreinsteckschlitzten in ein Sammelrohr

Title (fr)

Dispositif pour placer des fentes d'insertion pour tubes plats dans un tube collecteur

Publication

**EP 1225410 A3 20040818 (DE)**

Application

**EP 01129674 A 20011213**

Priority

DE 10103176 A 20010122

Abstract (en)

[origin: EP1225410A2] To form at least one insertion slit (6) in a collection tube (9), for the insertion of a flat tube in an air conditioning system, initially a cut is made with a saw in the required length (S1) and depth (d). In a second stage, a die punches the cut slit to form a passage (10), using a die with a greater width and/or length than the sawn slit.

IPC 1-7

**F28F 9/02**; **F28F 9/16**; **B21D 53/08**

IPC 8 full level

**B23P 15/26** (2006.01); **B21D 28/10** (2006.01); **B21D 28/24** (2006.01); **B21D 28/28** (2006.01); **B21D 53/06** (2006.01); **F28F 9/02** (2006.01); **F28F 9/16** (2006.01); **F28F 9/18** (2006.01)

CPC (source: EP US)

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Citation (search report)

- [DY] DE 4442040 A1 19960530 - BEHR GMBH & CO [DE]
- [Y] DE 19911334 A1 20000921 - BEHR GMBH & CO [DE]
- [A] EP 0903555 A2 19990324 - BEHR GMBH & CO [DE]
- [A] US 3689972 A 19720912 - MOSIER JAMES A, et al

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Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1225410 A2 20020724**; **EP 1225410 A3 20040818**; DE 10103176 A1 20020725; DE 10103176 B4 20100602; JP 2002273532 A 20020925; US 2002095789 A1 20020725; US 2004103535 A1 20040603; US 6772518 B2 20040810

DOCDB simple family (application)

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