

Title (en)

Turbulence-producing insert for a heat exchanger.

Title (de)

Turbulenzeinbau für einen Wärmeaustauscher.

Title (fr)

Ajout turbulateur pour un échangeur de chaleur.

Publication

**EP 0300711 A1 19890125 (EN)**

Application

**EP 88306542 A 19880718**

Priority

GB 8717013 A 19870718

Abstract (en)

An insert 10 for placing in the liquid-carrying tubes 16,18 of a heat exchanger has two connected strands 12,14 for placing in two parallel tubes 16,18. The strands 12,14 are connected to one another to prevent rotation in the tubes and have non-return formations 26,28 at their opposite ends to resist return movement of the strands 12,14 up the tubes 16,18.

IPC 1-7

**F28F 13/12**

IPC 8 full level

**F28F 13/12** (2006.01)

CPC (source: EP)

**F28F 13/12** (2013.01)

Citation (search report)

- [Y] FR 2248481 A1 19750516 - SUEDEDEUTSCHE KUEHLER BEHR [DE]
- [Y] US 1606739 A 19261116 - AVERILL EARL A
- [A] US 2688986 A 19540914 - O'BRIEN CHARLES J
- [A] US 2691991 A 19541019 - SCHUTT ARTHUR J, et al

Cited by

CN107091588A; CN112629309A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**GB 2207232 A 19890125; GB 8717013 D0 19870826; EP 0300711 A1 19890125**

DOCDB simple family (application)

**GB 8717013 A 19870718; EP 88306542 A 19880718**