

Title (en)

Heat exchanger for use in a central heating boiler or the like and heating apparatus comprising such a heat exchanger.

Title (de)

Wärmetauscher zum Gebrauch in einem Zentralheizungskessel oder dgl. und Heizgerät mit einem solchen Wärmetauscher.

Title (fr)

Echangeur de chaleur utilisable dans une chaudière de chauffage central ou appareil analogue et appareil de chauffage contenant un tel échangeur de chaleur.

Publication

EP 0021512 A1 19810107 (EN)

Application

EP 80200553 A 19800612

Priority

NL 7904829 A 19790620

Abstract (en)

The heat exchanger comprises a plurality of sections (7) arranged side by side, having each a fluid chamber intercommunicating through an inlet and outlet nipple, a flue passage (8) being formed between said sections, whereas on the sidewall of each section protruding pins (10) arranged in rows, provided with flat surfaces (11) parallel to said rows, said rows are inclined to and converging in the direction of length of the flue passage so as to form inclined and progressively narrowing flow channels in said flue passage.

IPC 1-7

F24H 1/38

IPC 8 full level

F24H 1/38 (2006.01)

CPC (source: EP)

F24H 1/38 (2013.01); **F24H 9/0015** (2013.01); **F24H 9/0026** (2013.01)

Citation (search report)

- US 1960310 A 19340529 - HUNTER LOUIS N
- FR 2308072 A1 19761112 - BURNHAM EUROPA BV [NL]

Cited by

EP0287142A3; AT404754B; FR2791128A1; WO9746835A1

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

EP 0021512 A1 19810107; NL 7904829 A 19801223

DOCDB simple family (application)

EP 80200553 A 19800612; NL 7904829 A 19790620