

Title (en)

Heat exchanger particularly suitable for use for recovery of heat from wet gases.

Title (de)

Wärmeaustauscher, insbesondere geeignet für Wärmerückgewinnung aus feuchten Gasen.

Title (fr)

Echangeur de chaleur spécialement adapté pour la récupération de chaleur de gaz humides.

Publication

**EP 0232231 A1 19870812 (EN)**

Application

**EP 87830043 A 19870202**

Priority

IT 1242386 A 19860207

Abstract (en)

The subject matter of this invention is a heat exchanger consisting of a series of pressed metal plates (10), fixed together between a pair of rigid end-plates (20). Each plate (10) has a pair of opposed openings surrounded by closed impressions (31) used to accommodate sealing gaskets (41). Each plate (10) is also equipped with a further closed impression (32) which follows the outer contour of the plate (10), and which is used to accommodate another corresponding closed peripheral gasket (42). Each pair of contiguous plates (10) is separated, alternately, by a pair of gaskets (41) located around the opening (11, 12), in one case, and in the other by the peripheral closed gasket (42). Each plate (10) also has diagonal impressions (14), the purpose of which is to create the required turbulence in the current of fluids flowing in contact with the surfaces of the plates (10) in question.

IPC 1-7

**F28F 3/08; F28F 3/10**

IPC 8 full level

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CPC (source: EP)

**F28F 3/083** (2013.01); **F28F 3/10** (2013.01)

Citation (search report)

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DOCDB simple family (application)

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