

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 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

F28F 3/08 (2006.01); **F28F 3/10** (2006.01)

CPC (source: EP)

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

Citation (search report)

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Designated contracting state (EPC)

BE DE ES FR GB GR NL

DOCDB simple family (publication)

EP 0232231 A1 19870812; EP 0232231 B1 19900808; DE 3764101 D1 19900913; ES 2018048 B3 19910316; GR 3001045 T3 19920120; IT 1204157 B 19890301; IT 8612423 A0 19860207

DOCDB simple family (application)

EP 87830043 A 19870202; DE 3764101 T 19870202; ES 87830043 T 19870202; GR 900400864 T 19901101; IT 1242386 A 19860207