

Title (en)

DEVICE FOR EXCHANGE OF HEAT BETWEEN TWO GASES CONDUCTED IN CROSS-FLOW TO EACH OTHER

Publication

**EP 0177904 B1 19900307 (DE)**

Application

**EP 85112570 A 19851004**

Priority

DE 8429525 U 19841008

Abstract (en)

[origin: EP0177904A2] 1. Device for exchanging heat between two gases (G1, G2) which are conveyed in crossflow to one another, preferably for reheating scrubbed flue gases after flue gas desulphurizing plant, with a plurality of flow channels (7a, 7r) which are arranged approximately parallel to one another and the dividing walls of which are acted upon on one side by the heat-emitting gas and on the other by the heat-absorbing gas and are arranged in a circular ring (1) such that gas flows through the flow channels (7a, 7r) in the axial and in the radial direction in turn, characterised in that the channels (7a) through which gas flows axially are connected via a respective end hood (2, 3) to at least one supply line or discharge line for one gas (G2) and the channels (7r) through which gas flows radially are connected via an outer ring channel, which is provided with at least one connection sleeve (4a), and via a central tube (5), which extends through one of the hoods (3), to the supply line or discharge line for the other gas (G1).

IPC 1-7

**F28D 7/08**; **F28D 9/02**

IPC 8 full level

**F28D 7/08** (2006.01); **F28D 9/00** (2006.01); **F28D 9/02** (2006.01)

CPC (source: EP)

**F28D 9/0018** (2013.01); **F28F 2250/102** (2013.01)

Cited by

GR1001064B; EP0933608A4; EP2177364A2; US6192975B1; WO2012066150A1; DE202011110575U1; WO9208941A1; WO2010142306A1

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