Title (en)

METHOD AND DEVICE FOR THE REMOVAL OF ICE IN ROTATING REGENERATIVE HEAT- AND/OR MATTER-EXCHANGERS

Publication

EP 0297230 B1 19930120 (DE)

Application

EP 88106131 A 19880418

Priority

DE 3718196 A 19870529

Abstract (en)

[origin: EP0297230A1] For the removal or suppression of ice on rotating regenerative heat- and/or matter-exchangers, a part flow of a pure gas, preferably of one of the heat-exchanging gas flows, is guided, with an increase in temperature and pressure, partially through the storage mass (4, 24, 34) and/or through the annular chamber and subsequently through the gap between the circumferential sealing and the storage mass (4, 24, 34). The regenerative heat- and/or matter exchanger used in this respect is characterised by a connection or bypass (42) to one of the ducts (2, 12) of the heat-exchanging gas flows, a heat source (8, 28, 38) arranged therein, and at least one regulating member (60) in the energy supply line of the same, and also by gas connection pipe pieces of the housing, which surrounds the storage mass (4, 24, 34), for a further sector between those of the heat- and/or matter-exchanging gases. <IMAGE>

IPC 1-7

F24F 3/147; F28D 19/04; F28F 17/00

IPC 8 full level

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CPC (source: EP)

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Cited by

EP1148303A3; EP1460349A3; US7849913B2; US6575228B1; WO2004111563A1; WO0171260A1

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