

Title (en)
ANNULAR RECUPERATIVE HEAT EXCHANGER

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Application
EP 82106236 A 19820713

Priority
DE 3131091 A 19810806

Abstract (en)
[origin: US4527622A] A ring-shaped recuperative heat exchanger, for instance for small gas turbines, having axial channels for the exhaust gas system with increasing channel width over the diameter thereof, and having guide plates in a wavy shape for increasing the surface thereof. In an embodiment as a parallel flow or counterflow heat exchanger, the air supply channels are constructed in an identical or similar manner, with a separation of the channels from each other being effected by radially disposed intermediate plates. In a construction as a crossflow heat exchanger, the air conveying channels are formed by wavy shaped guide plates having constant wave height and wave width in a radial alignment. The separation between hot gas and air conveying channels is again effected by additional approximately radially disposed intermediate plates.

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Cited by
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