

Title (en)
CERAMIC HEAT EXCHANGER

Publication
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Application
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Priority
DE 3909996 A 19890325

Abstract (en)
[origin: EP0389971A2] Provided for the purpose of recuperative heat exchange between a gaseous and a liquid material flow is a ceramic heat exchanger with a heat exchanger matrix which has adjacently arranged gas ducts 1 and liquid ducts 2 having a slot-shaped cross-section and extending parallel to one another. Let into the boundary walls of the heat exchanger matrix for the purpose of admitting and discharging the material flows are corresponding admission and discharge openings 3, 18, 19. In order to be able to configure the media connections independently of the dimension of the heat exchanger matrix that is required for the heat exchange, guide pockets 23, 24 which cover the boundary walls 20 on both sides of the heat exchanger matrix and whose cross-section widens starting from the liquid admission and discharge slots 18, 19 are provided on the liquid admission and discharge slots 18, 19 for the purpose of guiding the liquid material flow. Moreover, connecting openings 12, 13 which have connecting sockets 31, 32 for connecting liquid lines 41, 42 are arranged at the ends of the widened region of the guide pockets 23, 24. Webs 16, 17, 29 are inserted in the slot-shaped gas and liquid ducts 1, 2 for the purpose of guiding gas and liquid. <IMAGE>

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IPC 8 full level
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Citation (search report)
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