

Title (en)  
HEATER

Publication  
**EP 0321667 B1 19920325 (DE)**

Application  
**EP 88116900 A 19881012**

Priority  
DE 3743478 A 19871222

Abstract (en)  
[origin: EP0321667A1] The heater consists of a water-bearing housing (18), in which a combustion chamber (19) is arranged, from the end region of which a number of cross-sectionally slot-like heating gas flue pockets (2) are guided to a waste gas collecting chamber (20) with a smoke gas take-off, the pockets (2), which run parallel or approximately parallel, being arranged at a distance from one another. According to the invention, this heater is designed in combination with the following features: 1.1 The two neighbouring larger side walls (1) of each flue pocket (2) are provided with corrugated stampings (3) which are of identical shape and course, are directed from the side wall planes into the interior of the pockets and extend straight. 1.2 The corrugated stampings (3) are inclined in relation to the longitudinal edges (4) of the pockets (2) but in the respective side wall (1) arranged running opposite to the corrugated stampings (3) of the other side wall (1). 1.3 The corrugated stampings (3) make contact at the intersection points (5). 1.4 The corrugated stampings (3) end in front of the narrow side walls (6) and in front of the inflow and outflow openings (7, 8) of each pocket (2) with a separation which corresponds to at least one corrugation depth (T). 1.5 The number of corrugated stampings (3) in a side wall (1), which extend with their entire length (L) from the inflow opening to the outflow opening (8) of each pocket (2), is greater than the number of shorter corrugated stampings (3).

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IPC 8 full level  
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Cited by  
EP1085273A1; DE9309771U1; EP1279916A1; EP0467250A1; DE202014105819U1; WO0118471A1; WO2012120369A1

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