

Title (en)  
INFRARED SURFACE RADIATOR

Title (de)  
ALS FLÄCHENSTRAHLER AUSGEBILDETER INFRAROT-STRAHLER

Title (fr)  
EMETTEUR INFRAROUGE SOUS FORME D'UN EMETTEUR SURFACIQUE

Publication  
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Application  
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Abstract (en)  
[origin: WO03069225A1] The invention relates to an infrared radiator embodied as a surface radiator, comprising a combustion chamber (14), which is limited by a gas permeable barrier and also by a radiating body (15). The radiating body contains a plurality of channels (21) and emits infrared radiation on the front surface thereof. Improved convective heat transmission is obtained therefrom and a longer service life is achieved by virtue of the fact that the barrier is made of a nozzle plate (12) comprising individual nozzles (29) and the channels (21) of the radiating body (15) are closed on the combustion chamber side at least in the region of the outlets of the nozzle (29), whereby deflector surfaces (22) are formed, against which the deflector surfaces of outlets of the nozzles (29) are orientated.

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