

Title (en)  
FLUIDISED-BED COMBUSTION

Publication  
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Application  
**EP 89109976 A 19890602**

Priority  
DE 3823040 A 19880707

Abstract (en)  
[origin: EP0349765A1] In fluidised-bed combustion arrangements, the heat exchangers, which are immersed in the fluidised-bed and designed as pipe panels (6), are exposed to heavy erosion. The aim of the invention is to protect the pipe panels (6) against erosion without influencing the heat transmission. On both sides of the pipe panel (6), protective shields (9, 10) are arranged at a distance. On those sides of the protective shields (9, 10) which are turned towards one another, strips (11, 12; 13, 14) are arranged on the upper and lower edges. Between the strips (11, 12), as between the strips (13, 14), there is a narrow gap. The air flow between the two protective shields (9, 10) is choked by means of the two gaps. The hot fluidised-bed material trickles in the intermediate space and transmits heat to the pipes (7) by contact. The invention is used in particular in fluidised-bed combustion arrangements with stationary fluidised-bed. <IMAGE>

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