

Title (en)  
FLUIDIZED BED COMBUSTION SYSTEM WITH STEAM GENERATION

Title (de)  
WIRBELSCHICHT-FEUERUNGSSYSTEM MIT DAMPFERZEUGUNG

Title (fr)  
SYSTEME DE COMBUSTION EN LIT FLUIDISE AVEC PRODUCTION DE VAPEUR

Publication  
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Application  
**EP 99952112 A 19990517**

Priority  
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Abstract (en)  
[origin: WO9960305A1] The combustion system for an industrial installation operates at least partly with solid fuel. The installation has a heat exchange chamber (1) having an inner height of at least 10 m. The chamber has four vertical outer walls encompassing an approximately rectangular area in a horizontal cross-section. A turbulent combustion chamber (2, 3) having an inner height of 10 to 60 m is arranged in front of a first outer wall (1a) of the heat exchange chamber (1) and a second outer wall (1c) located opposite to the first outer wall. Each turbulent combustion chamber (2, 3) has an inner height of 10 to 60 m and lines for supplying fuel and combustion air. At least one separator (5, 7) for separating solids from a gas flow is connected to the top section of each turbulent combustion chamber (2, 3), said separator having a gas discharge line (9) that is connected to the top section of the heat exchange chamber (1).

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