

Title (en)
Combustion method and power plant.

Title (de)
Verbrennungsverfahren und Kraftwerk.

Title (fr)
Procédé de combustion et centrale électrique.

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Application
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Abstract (en)
Method of improving the utilization of a sulphur absorbing material in a power plant for the combustion of a sulphur-containing fuel in a fluidized bed (14) of particulate material containing sulphur absorbent. According to the invention unconsumed absorbent in the interior part of the particles of the bed material is exposed by blowing gas into the bed (14) through special grinding nozzles (41) at a higher velocity than combustion air through the fluidizing nozzles (30). The gas pressure shall be so high that powerful gas jets are produced so that bed material particles are accelerated to a high velocity and, upon collision with other particles, are disintegrated. In a power plant for carrying out the method the grinding nozzles (41) are located at the lower part of the combustion chamber (12), preferably between its bottom (27) and a tube bundle (40) in the combustion chamber (12).

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