

Title (en)

An apparatus with a seal mechanism operable between a solid fuel feed system and a combustion chamber thereof

Title (de)

Ein Apparat mit einem Dichtungsmechanismus, dem zwischen einem Festbrennstoffzufuhrsystem und einer Verbrennungskammer davon betrieben werden kann

Title (fr)

Un appareil avec un mécanisme d'étanchéité placé entre un système d'alimentation en combustible solide et la chambre de combustion de ce dernier

Publication

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Application

**EP 03753628 A 20031021**

Priority

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Abstract (en)

[origin: WO2004039923A1] A seal mechanism for a gate valve (3) operable between a solid fuel feed system (1) and a combustion space (3), such as a gas generator combustion chamber, the fuel feed system comprising a hopper (1) having at least its bottom end portion shaped substantially cylindrical, whereby gate valve (3) controls the discharge opening of the hopper bottom end, and the open/closed positions of the gate valve being controllable by means of a gate valve actuator mechanism (5, 6) in such a fashion that a seal is provided between the bottom end (4) of hopper (1) and gate valve plate (3). The invention is implemented by way of providing the lower edge of hopper (1) with a sealing member (4) whose edge facing the gate valve plate (3) is annular and is sharpened substantially over its entire circumferential length.

IPC 8 full level

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