

Title (en)

ROTARY SLIDING GATE FOR A METALLURGICAL VESSEL JUST AS ROTOR AND OR STATOR FOR SUCH A ROTARY GATE

Publication

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Application

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Priority

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Abstract (en)

[origin: EP0308597A2] The invention relates to a rotary sliding gate for tapping liquid molten metal out of a metallurgical vessel, with a rotationally symmetrical rotor which serves as gate element, is, for example, refractory, is arranged in a manner which allows rotation about an axis of rotation in a stator (6), for example a refractory stator, having an outflow channel, and has at least one flow channel which can be opened by rotating the rotor relative to the stator to connect the inlet opening of the outflow channel of the stator to the outlet opening of the outflow channel of the stator and can be closed again by interrupting this connection. To improve and increase the possible functions of such a rotary sliding gate, the stator has an aperture with a circular-cylindrical inner surface which serves as a sealing seat, into which the rotor is fitted in sealing fashion with a circular-cylindrical circumferential surface and within which the rotor can be both rotated and axially displaced. In the inner surface of the aperture there is at least one inlet opening and/or at least one outlet opening of a flow channel. <IMAGE>

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Cited by

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