

Title (en)  
HOT BLAST CONTROL VALVE FOR A METALLURGICAL INSTALLATION

Title (de)  
HEISSWINDSTEUERUNGSVENTIL FÜR EINE METALLURGISCHE INSTALLATION

Title (fr)  
SOUPAPE DE RÉGULATION D'AIR CHAUD POUR INSTALLATION MÉTALLURGIQUE

Publication  
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Application  
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Abstract (en)  
[origin: WO2011113761A1] The present invention proposes a hot blast control valve (10) for a metallurgical installation, in particular for controlling the flow of hot blast of a blast furnace. The hot blast control valve (10) comprises a metallic valve housing (12) with a refractory lining (20) in which a gas channel (22) is defined; and a valve member (24) rotatably arranged in the gas channel (22) so as to be able of varying a free passage in the gas channel (22) by rotation of the valve member (24) about a rotation axis (26) between an open position and a closed position. The valve member (24) has an envelope with rotational symmetry about the rotation axis (26) and has a through passage (28) arranged in the valve member (24) in a direction transversely to the rotation axis (26) of the valve member (24). The through passage (28) has a cross- section substantially identical to that of the gas passage (22). Furthermore, the through passage (28) is arranged in the valve member (24) so as to be aligned with the gas channel (22) when the valve member (24) is in its open position.

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