

Title (en)

SET OF CERAMIC PLATES FOR SLIDING GATE VALVES COMPRISING THREE SLIDING PLATES

Publication

EP 0356551 B1 19920325 (DE)

Application

EP 88114176 A 19880831

Priority

EP 88114176 A 19880831

Abstract (en)

[origin: JPH0289559A] PURPOSE: To obtain high efficiency in an outlet plate and an outlet opening, to enhance a service life and to remove depositions by having, in the outlet opening of the outlet plate in the closing direction of a slidable plate, a deviation in the axial line against the outlet opening of an inlet plate, and also having a conical expanded part at least on the inlet side. CONSTITUTION: The outlet opening 12 of the outlet stationary refractory plate 3 is shifted by an amount X in the closing direction 8 of the slidable plate 2. As a result, at the drawing position of the slidable plate 2, a molten metal flow can be guided fully directly into an outlet tube 7. In addition, passages 4, 5, 12 are sufficiently free from depositions that cause clogging in the outgoing flow. The reason is that, during the take-in of the slidable plate 2 to the closing position 13, the opening 5 of this slidable plate is emptied completely. Similarly, a conical expanded part 14 serves the purpose ; it is provided on the inlet side of the outlet opening 12 of the outlet stationary plate 3, and desirably formed as a counter sinking.

IPC 1-7

B22D 41/08

IPC 8 full level

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CPC (source: EP US)

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Citation (examination)

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