

Title (en)

SLIDE GATE FOR A CONTAINER CONTAINING MOLTEN METAL

Title (de)

SCHIEBEVERSCHLUSS FÜR EINEN METALLSCHMELZE ENTHALTENDEN BEHÄLTER

Title (fr)

SYSTEME DE FERMETURE COULISSANT POUR RECIPIENT CONTENANT DU METAL FONDU

Publication

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Application

EP 99926222 A 19990705

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Abstract (en)

[origin: WO0006325A2] The invention relates to a slide gate (20) for a container containing molten metal, comprising a housing part (14) which can be fixed to the container and a slide unit (30) which can be longitudinally displaced in relation to the housing part. One fire-proof closing plate (22, 23) each can be inserted into the housing part and the slide unit. Said plates can be pressed against each other by means of spring elements (26) and serve to open and close the slide gate (20). By means of several retaining means (40) which are perpendicular to the slide unit said slide unit (30) is held on the housing part (14) such that it can be displaced in the longitudinal direction. The retaining means (40) are each fixed to the housing part (14) and have an opposite guide element which slides on a guide track (36) embodied at the level of the slide unit (30). The retaining means (40) each comprise one bolt-shaped connecting member (25), a spring element (26) acting on same in the axial direction and the guide element which is mounted on the connecting member (25). In this way a highly compact slide gate having small dimensions is obtained which as a result is also economical to produce.

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Cited by

WO2011085787A1; CN107107182A; KR20170107036A; US10471505B2; WO2016116197A1; US8939331B2; EP2328700B1; WO2020048658A1

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