Title (en)

CLOSING PLATE AND SLIDING CLOSURE ON THE SPOUT OF A RECEPTACLE FOR MOLTEN METAL

Title (de)

VERSCHLUSSPLATTE SOWIE EIN SCHIEBEVERSCHLUSS AM AUSGUSS EINES BEHÄLTERS FÜR METALLSCHMELZE

Title (fr)

PLAQUE D'OBTURATION AINSI QU'OBTURATEUR À TIROIR À L'OUVERTURE DE COULÉE D'UN RÉCIPIENT POUR BAIN MÉTALLIQUE

Publication

EP 2268432 B1 20160413 (DE)

Application

EP 09731567 A 20090417

Priority

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- CH 6032008 A 20080417

Abstract (en)

[origin: US2011127302A1] A closing plate for a sliding closure on the spout of a receptacle for molten metal, especially of a converter, comprises an elongate refractory plate (11) and a sheet metal jacket (12) surrounding the same. The refractory plate (11) has a sliding surface (14, 16) which can be braced with a sliding surface of a refractory closure plate interacting therewith or with a sliding surface (21′) of a refractory head part (21). The refractory plate (11) has a tapering section (26, 28, 29) which forms an angle (a) with the sliding surface (14, 15) on at least one side delimiting the sliding surface (14, 15), said tapering section being associated with a section of the refractory plate (11) that projects beyond the sheet metal jacket (12). The closing plate according to the invention allows the risk of damage to the front faces of the refractory parts to be braced with each other to be substantially reduced during bracing of the parts with each other and/or during a relative adjustment of the refractory parts that are braced with each other.

IPC 8 full level

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CPC (source: EP KR US)

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- JP H0259855 U 19900501
- WO 2009127333 A1 20091022 - STOPINC AG [CH], et al

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US 2011127302 A1 20110602; **US 8740024 B2 20140603**; BR PI0910467 A2 20160726; BR PI0910467 B1 20170801; CA 2721597 A1 20091022; CN 102006952 A 20110406; CN 102006952 B 20160323; EP 2268432 A1 20110105; EP 2268432 B1 20160413; ES 2573906 T3 20160613; HU E028952 T2 20170130; JP 2011516278 A 20110526; JP 5426658 B2 20140226; KR 20100132041 A 20101216; PL 2268432 T3 20170131; RU 2010146653 A 20120527; RU 2490091 C2 20130820; WO 2009127420 A1 20091022; ZA 201007258 B 20110629

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