

Title (en)

REFRACTORY CASTING TUBE FOR A MOULD FOR CONTINUOUSLY CASTING MOLTEN METAL

Title (de)

FEUERFESTES GIESSROHR FÜR EINE KOKILLE ZUM STRANGGIESSEN VON METALLSCHMELZE

Title (fr)

BUSSETTE DE COULÉE RÉFRACTAIRE POUR UNE LINGOTIÈRE SERVANT À LA COULÉE CONTINUE DE MÉTAL EN FUSION

Publication

**EP 2841222 A2 20150304 (DE)**

Application

**EP 13723440 A 20130426**

Priority

- EP 12002962 A 20120426
- EP 2013058815 W 20130426
- EP 13723440 A 20130426

Abstract (en)

[origin: EP2656945A1] The refractory casting tube (2) comprises a tubular top part (3) and an immersible, flattened bottom part (5) dipped into a molten metal in an inner mould space (6) during the casting. A refractory deflection element is integrated in a funnel-shaped or similarly shaped inlet (4) of the top part, and is shaped such that a fluid-dynamic dissipation is generated on the molten metal during casting in the inlet. The casting tube is directly supported to a mold (1) in its top part. The inlet is formed in a form of a cone, a pot or other shape. The space of the inlet is totally or partly flattened. The refractory casting tube (2) comprises a tubular top part (3) and an immersible, flattened bottom part (5) dipped into a molten metal in an inner mould space (6) during the casting. A refractory deflection element is integrated in a funnel-shaped or similarly shaped inlet (4) of the top part, and is shaped such that a fluid-dynamic dissipation is generated on the molten metal during casting in the inlet. The casting tube is directly supported to a mold in its top part. The inlet is formed in a shape of a cone, a pot or other shape. The inner space of the inlet is totally or partly flattened. The inlet includes an insert body with a support flange and a closed-end projection having an outlet. The bottom part of the tube has a length that is 1/3 of mold length, is continuously formed in a tubular shape, and comprises side longitudinal slots in its bottom portion. An independent claim is included for a refractory cover plate.

IPC 8 full level

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CPC (source: CN EP US)

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Citation (search report)

See references of WO 2013160476A2

Citation (examination)

- GB 2160457 A 19851224 - STOPINC AG
- CN 2576379 Y 20031001 - BIAN RENJIE [CN]
- EP 0577909 A1 19940112 - FLOCON ITALIANA [IT]
- EP 2368655 A1 20110928 - VESUVIUS GROUP SA [BE]

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Designated extension state (EPC)

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