

Title (en)

METHOD OF AND APPARATUS FOR CONVEYING MOLTEN METALS WHILE PROVIDING HEAT THERETO

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BEFÖRDERUNG VON METALLSCHMELZEN UNTER WÄRMEZUFÜHRUNG

Title (fr)

MÉTHODE ET APPAREIL DE CONVOYAGE DE MÉTAL FONDU ET DE RÉCHAUFFAGE DUDIT MÉTAL

Publication

EP 2107956 A1 20091014 (EN)

Application

EP 07855557 A 20071217

Priority

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Abstract (en)

[origin: WO2008074134A1] The invention relates to a method of and apparatus for providing heat to a molten metal flowing through metal-conveying apparatus. The apparatus includes a molten metal-conveying channel, an enclosure for receiving and circulating combustion gases while preventing entry of the gases into said channel, a heat-conductive body of material separating at least part of the channel from the enclosure; and a combustion device for generating combustion gases and delivering the gases to the enclosure. Heat from the combustion gases is used to heat molten metal held in the channel, while preventing contact between the combustion gases and the molten metal. The body of material may be a trough used to form the channel, a tube for conveying the molten metal, or a tube acting as the enclosure, or the like.

IPC 8 full level

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