Title (en)

INGOT MOULD FOR CONTINUOUS CASTING OF METALS, TEMPERATURE MEASUREMENT SYSTEM AND SYSTEM AND METHOD FOR DETECTING BREAKTHROUGH IN A FACILITY FOR CONTINUOUS CASTING OF METALS

Title (de)

KOKILLE ZUM STRANGGIESSEN VON METALLEN, TEMPERATURMESSSYSTEM UND SYSTEM UND VERFAHREN ZUR DURCHBRUCHDETEKTION IN EINER ANLAGE ZUM STRANGGIESSEN VON METALLEN

Title (fr)

LINGOTIÈRE DE COULÉE CONTINUE DE MÉTAUX, SYSTÈME DE MESURE DE LA TEMPÉRATURE ET SYSTÈME ET PROCÉDÉ DE DÉTECTION DE PERCÉE DANS UNE INSTALLATION DE COULÉE CONTINUE DE MÉTAUX

Publication

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Application

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Abstract (en)

[origin: CA3142246A1] The invention relates to an ingot mould (12) for continuous casting of metals, of the type consisting of an assembly (22) of metal plates backed by cooling devices configured to allow the cooling of the metal plates by the circulation of a cooling fluid, comprising: - at least one optical fibre (28), having a plurality of Bragg filters, extending in a wall of at least one of the plates (22), - at least one groove (24) formed in a wall of at least one of the plates (22), in a direction that is not parallel to the casting axis of the ingot mould in at least one portion of the length, the optical fibre (28) extending in the groove (24), and - a tongue (26) of shape substantially complementary to the groove (24) closing the groove over its entire length, the groove (24) and the tongue (26) having a shape suitable for the passage of the optical fibre (28).

IPC 8 full level

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CPC (source: EP KR US)

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