

Title (en)

METHOD OF MONITORING FOR DAMAGE TO SOLIDIFIED SHELL OF METAL CASTING PRODUCE DURING REMOVAL OF CASTING FROM HORIZONTAL CONTINUOUS CASTING MACHINE.

Title (de)

VERFAHREN ZUM AUFFINDEN VON SCHADSTELLEN AN DER STRANGGUSSSCHALE BEIM ABZUG AUS EINER HORIZONTALSTRANGGUSSMASCHINE.

Title (fr)

PROCEDE DE CONTROLE D'ENDOMMAGEMENTS D'UNE COQUILLE SOLIDIFIEE D'UNE PIECE COULEE METALLIQUE PRODUITS PENDANT LE DEMOULAGE DE LA PIECE COULEE D'UNE MACHINE DE MOULAGE HORIZONTALE EN CONTINU.

Publication

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Application

EP 83901622 A 19830520

Priority

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- JP 9268082 A 19820531

Abstract (en)

[origin: WO8304199A1] This method monitors for damage within a horizontally mounted mold to a solidified shell of a casting of molten metal produced by the horizontal and continuous removal of the casting from the mold, by a plurality of clamping rods, via a brake ring, on a feed nozzle mounted horizontally in an opening in the lower part of a side wall of a tundish containing molten metal. The method comprises the steps of continuously measuring the strain on any of at least one of said plurality of rods and a sleeve engaging with at least one of said plurality of rods, and monitoring for damage within the mold to the shell of the casting by taking an abrupt change in the measured strain to be due to damage to the shell of the casting within the mold.

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CPC (source: EP KR)

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Citation (search report)

- [X] EP 0049238 A2 19820407 - BOEHLER AG [DE]
- [A] EP 0008692 A1 19800319 - CONCAST AG [CH]
- [A] FR 1267546 A 19610721 - VER WERKZEUGMASCHINENFABRIKEN

Cited by

FR2675062A1; AU651883B2; US5449034A; CN1046875C; WO9405449A1; WO9218273A1

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