

Title (en)

Process for start-up of a continuous casting plant

Title (de)

Verfahren zum Angiessen einer Stranggiessanlage

Title (fr)

Procédé pour le démarrage d' une installation de coulée continue

Publication

EP 1043097 A1 20001011 (DE)

Application

EP 00106772 A 20000330

Priority

DE 19915268 A 19990403

Abstract (en)

A continuous casting machine starting process involves using a reduced filling level change of a temperature regulated and oscillated mold before transition to the casting operation. A continuous casting machine is started using a bottom closed mold and a pouring tube introduced into the upper part of the mould, the tube feed quantity and the mold filling level being regulated by a stopper which is immersed in the tube and which ha continuously decreasing circular cross-section at its end adjacent the tube, the inlet of the tube being closed by the stopper before the starting operation begins. The novelty is that: (a) the filling level change in the mold is low before change-over from the starting operation to the continuous casting an strand withdrawal operation; (b) the temperature of the mold side plates is regulated during the starting operation; and (c) the mold is oscillated during the starting operation.

Abstract (de)

Um ein Verfahren zum Angießen der Kokille bei Stranggießanlagen bereitzustellen, wobei beim Angießvorgang eine dünne und stabile Strangschale eingestellt wird, wird ein Gießstartprogramm aus den Faktoren Füllstandregelung mittels kontrollierter Stopfenbewegung, Kokillenkühlung und Einstellung der Oszillation schon während des Angießprozesses vorgeschlagen. <IMAGE>

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B22D 11/18

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CPC (source: EP)

B22D 11/161 (2013.01)

Citation (search report)

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