

Title (en)

Method of and installation for filling a continuous casting mold with molten metal.

Title (de)

Verfahren und Vorrichtung zum Füllen einer Stranggiesskokille mit metallischer Schmelze.

Title (fr)

Procédé et installation pour le remplissage d'un moule de coulée continue avec du métal liquide.

Publication

EP 0400302 B1 19950802 (DE)

Application

EP 90106625 A 19900406

Priority

DE 3917403 A 19890529

Abstract (en)

[origin: EP0400302A2] Method of and installation for filling a continuous casting mould (25) with molten metal (10), in which the molten metal (10) is poured in a controlled fashion into the continuous casting mould (25) through a bottom opening (12) of a metallurgical vessel (13), the said opening being closeable by means of a plug (11) which can be moved up and down. During the filling of the continuous casting mould, the plug (11) executes predetermined upward and downward movements, in particular movements dependent on the liquid metal level (14) in the continuous casting mould, and inert gas, especially argon, can furthermore be blown in (arrow 15) at that end of the plug (11) which faces the bottom opening (12) during the filling of the continuous casting mould. To control the liquid metal level (14) in the continuous casting mould (25), the inert gas is blown in as a function of the said liquid metal level (14), such that, if the liquid metal level rises in relation to a predetermined desired value, more argon is blown in than when the liquid metal level is falling, with the result that, for a predetermined degree of opening of the plug (11), the liquid metal level is held essentially constant. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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