

Title (en)

Process for measuring and regulating temperature and quantity of cooling water in the walls of a continuous casting mould

Title (de)

Verfahren zum Messen und Regeln von Temperatur und Menge von Kühlwasser für wasserkühlbare Kokillenwände einer Stranggiesskokille

Title (fr)

Procédé pour mesurer et régler la température et la quantité de l'eau de refroidissement dans les parois d'une lingotière de coulée continue

Publication

**EP 0992304 B1 20031001 (DE)**

Application

**EP 99116306 A 19990819**

Priority

DE 19838331 A 19980824

Abstract (en)

[origin: US6415850B1] A method of measuring and regulating temperature and quantity of cooling water of a continuous casting mold flowing through water-coolable mold walls composed of copper plates, particularly mold walls which are independent of each other, wherein the cooling water temperature of a mold wall is measured at at least two locations in the area of the discharge openings of a copper plate and the corresponding water box. The flow velocity and the water pressure of the cooling system are adjusted in such a way that the lowest temperature in the area of the water discharge side or the water discharge opening of a copper plate is at the limit of the boiling temperature, and that for all higher temperatures a bubble evaporation at subcooled boiling of the cooling water is stimulated.

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IPC 8 full level

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**US 6415850 B1 20020709**; AT E250998 T1 20031015; DE 59907176 D1 20031106; EP 0992304 A1 20000412; EP 0992304 B1 20031001

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