Title (en)

Method and apparatus for continuously controlling the basic setting and oscillation parameters of a continuous casting mould

Title (de)

Verfahren und Vorrichtung zur kontinuierlichen Kontrolle der Grundeinstellung und Oszillationsparameter einer Stranggiesskokille

Title (fr)

Procédé et dispositif de contrôle continu du réglage initiale et des paramètres d'oscillation d'une lingotière de coulée continue

Publication

EP 0992302 B1 20030625 (DE)

Application

EP 99118135 A 19990911

Priority

DE 19845357 A 19981002

Abstract (en)

[origin: EP0992302A1] Process for continuously controlling the base adjustment and oscillating parameters of a continuous casting mold arranged in an elevating platform (10) comprises operating the platform using four corner, preferably double-acting hydraulic cylinders (2-5) in oscillations, and measuring the oscillating forces acting on the hydraulic cylinders during a casting pause or during the casting operation. An Independent claim is also included for an apparatus for carrying out the process comprising hydraulic cylinders (2-5) each having a piston (9) between two chambers (7, 8) with a hydraulic valve (13) controlling the pressure chambers. A pressure differential calculator (14) determines the effective resulting force of the hydraulic cylinder. A position transmitter (15) is connected to the cylinder.

IPC 1-7

B22D 11/04; B22D 11/16

IPC 8 full level

B22D 11/04 (2006.01); **B22D 11/053** (2006.01); **B22D 11/16** (2006.01)

CPC (source: EP)

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Cited by

CN102861789A; EP1358955A1; CN113894259A; US2017008076A1; US9731346B2; DE102014202404A1; DE102015202266A1; WO2005105342A1; WO02070172A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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