

Title (en)

Electromagnetic casting apparatus and process.

Title (de)

Elektromagnetische Giessvorrichtung und Verfahren.

Title (fr)

Dispositif et procédé de coulée électromagnétique.

Publication

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Application

EP 81300093 A 19810109

Priority

US 11089380 A 19800110

Abstract (en)

An electromagnetic casting apparatus and process is disclosed in which a flow control system (37, 35, 30) is provided to control the flow of molten material to the casting zone. The flow of molten material is controlled in response to sensed variations in the hydrostatic pressure in the head of molten material in the casting zone with the object of keeping those variations to a minimum. Optimum conditions are therefore maintained for the operation of the conventional control system (18) which controls the power source (17) for the inductor (11).

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IPC 8 full level

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Citation (search report)

US 4161978 A 19790724 - BROOKS CARSON L [US], et al

Cited by

EP0068827A1; EP0296443A3; US4446909A; CN102398008A; EP0058899A1; US4450890A; FR2506639A1; EP0084090B1

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