

Title (en)

FLOW SPEED CONTROL IN CONTINUOUS CASTING

Title (de)

REGELUNG DER STRÖMUNGSGESCHWINDIGKEIT BEIM STRANGGIESSEN

Title (fr)

COMMANDE DE VITESSE D'ÉCOULEMENT EN COULÉE CONTINUE

Publication

EP 3883705 A1 20210929 (EN)

Application

EP 20702285 A 20200127

Priority

- US 201962798702 P 20190130
- EP 2020051958 W 20200127

Abstract (en)

[origin: WO2020157020A1] An arrangement (1) for controlling flow speed in a mold (2) for continuous casting of metal comprises: at least two first front cores (3) with associated first magnetic coils (4) arranged on one side of the mold; at least two second front cores (5) with associated second magnetic coils (6) arranged on an opposite side of the mold in substantial alignment with the first front cores; an external magnetic loop (7, 8, 9) connecting the second front cores to the first front cores, to allow a one-directional magnetic flux to pass through the mold from the first front cores to the second front cores or vice versa; and a control interface (14) enabling independent control of two subsets of the first magnetic coils.

IPC 8 full level

B22D 11/041 (2006.01); **B22D 11/115** (2006.01); **B22D 11/12** (2006.01); **B22D 11/16** (2006.01); **B22D 11/18** (2006.01)

CPC (source: EP KR US)

B22D 11/041 (2013.01 - EP KR US); **B22D 11/115** (2013.01 - EP KR US); **B22D 11/122** (2013.01 - EP KR US); **B22D 11/16** (2013.01 - EP US); **B22D 11/186** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2020157020A1

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Designated extension state (EPC)

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