

Title (en)
SYSTEM AND METHOD FOR CONTROLLING THE CASTING OF A PRODUCT

Title (de)
SYSTEM UND VERFAHREN ZUM KONTROLLIEREN DES GUSSES EINES PRODUKTES

Title (fr)
SYSTÈME ET PROCÉDÉ DE CONTRÔLE DE LA COULÉE D'UN PRODUIT

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Application
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Priority
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Abstract (en)
[origin: WO2017174914A1] A system (100) for controlling the progress of the manufacture of at least one product by vertical semi-continuous direct chill casting, in particular from aluminium alloy, in a respective fixed mould (41), said control system (100) comprising: - at least one respective dummy bottom (4) configured to form a movable lower bottom of the respective fixed mould and to carry the product during casting; - at least one weighing cell (3), on which the respective dummy bottom (4) is arranged to rest, the weighing cell (3) being configured to take measurements representative of the mass of the product carried by the respective dummy bottom (4) during casting; and - a support (2) of the dummy bottom, to which the weighing cell (3) is linked, configured to lower the/each false bottom (4) relative to the respective fixed mould (41), substantially in a vertical direction, during casting; - at least one processing unit (21) connected to the/each weighing cell (3), and configured to process the measurements, and calculate the variation in the mass of the product over time.

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