Title (en)

PRODUCTION LINE AND METHOD FOR THE CONTINUOUS PRODUCTION OF CAST PARTS FROM A MOLTEN METAL, IN PARTICULAR A MOLTEN LIGHT ALLOY

Title (de)

FERTIGUNGSLINIE UND VERFAHREN ZUM IM KONTINUIERLICHEN DURCHLAUF ERFOLGENDEN HERSTELLEN VON GUSSTEILEN AUS EINER METALLISCHEN SCHMELZE, INSBESONDERE EINER LEICHTMETALLSCHMELZE

Title (fr)

LIGNE DE FABRICATION ET PROCEDE POUR REALISER EN CONTINU DES PIECES MOULEES A PARTIR D'UN METAL EN FUSION, EN PARTICULIER D'UN METAL LEGER EN FUSION

Publication

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Application

EP 04820597 A 20041217

Priority

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Abstract (en)

[origin: US2007169912A1] The invention relates to a production line for the production of cast parts (M) from a metallic melt, in particular a light molten metal, which takes place in a continuous cycle, comprising a plurality of functional units, including a core production unit (2) for the production of casting cores, a mould assembly unit (3) for assembling casting moulds (G) formed as core packages, a casting unit for filling the molten metal into the casting moulds (G), a cooling unit (5 a) for cooling the molten metal respectively contained in the casting moulds (G), and a demoulding unit (5 b) for destructive removal of the casting mould (G) from the cast part (M). A production line of this type allows economical and flexible production of cast parts, in particular motor units, with a high loading capacity and complex form according to the invention in that the functional units (2 to 5 b) successively passed through in each case are directly connected to each other by a respective conveying device (12, 19), and in that the clock with which the production line (1) ejects finished cast parts (M) is determined by the clock with which the core production unit (2) supplies the casting cores produced by it.

IPC 8 full level

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