Title (en)

PROCESS FOR PRODUCING A METAL STRIP BY CASTING AND ROLLING

Title (de)

VERFAHREN ZUM HERSTELLEN EINES METALLBANDES DURCH GIESSWALZEN

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE BANDE MÉTALLIQUE PAR COULÉE CONTINUE ET LAMINAGE

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Application

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Abstract (en)

[origin: WO2012045629A2] The invention relates to a process for producing a metal strip (1) by casting and rolling, in which process firstly a slab (3) with a nominal slab thickness (d) is cast in a casting machine (2) by discharging metal at a nominal casting speed (v) from a mould (4), wherein the slab (3) is subjected to thickness reduction in the region of a strand guide (5) by a number of rollers, wherein the temperature of the slab (3) is then controlled in a furnace (6) of a defined length, wherein the slab (3) is rolled downstream of the furnace (6) in a rolling mill train (7), and wherein in particular the slab (3) is subjected to thickness reduction to a nominal deformed slab thickness or preliminary strip thickness in a roughing rolling mill (8) downstream of the casting machine (2) and upstream of the furnace (6). In order firstly to provide an adequate buffer store in the event of interruptions to rolling and secondly to ensure the smallest possible furnace length in order to be able to work optimally in continuous operation, without high economical outlay, the invention provides that at least one of the following measures is carried out for temporarily reducing, in particular for temporarily interrupting, the supply of rolling stock into the rolling mill train (7): a) the slab thickness (d0) is increased downstream of the casting machine (2) by reducing the thickness reduction of the slab (3) in the region of the strand guide (5); b) the casting speed is lowered from the nominal casting speed (v0) to a reduced value; c) the thickness reduction of the slab (3) in the roughing rolling mill (8) is reduced. The invention further relates to a casting and rolling installation.

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