

Title (en)
METHOD OF PRODUCING A HOT-ROLLED STRIP

Title (de)
VERFAHREN ZUM ERZEUGEN EINES WARMBANDES

Title (fr)
PROCEDE DE PRODUCTION DE FEUILLARD A CHAUD

Publication
EP 1169486 A1 20020109 (DE)

Application
EP 00906372 A 20000224

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Abstract (en)
[origin: US6855218B1] The invention relates to a method for producing hot strip which features good forming ability and increased strength. This is achieved in that a hot strip (W) which is produced in particular from continuous casting in the shape of reheated slabs or slabs obtained directly from the casting heat, from thin slabs or cast strip, based on a steel comprising (in mass %) C: 0.001-1.05%; Si: <=1.5%; Mn: 0.05-3.5%; Al: <=2.5%, if necessary further elements such as Cu, Ni, Mo, N, Ti, Nb, V, Zn, B, P, Cr, Ca and/or S, with the remainder being iron as well as the usual accompanying elements, is continuously finish rolled and subsequently continuously cooled, with cooling taking place in at least two subsequent cooling phases (tCK, tLK) of accelerated cooling, to a final temperature; with the first cooling phase (tCK) of accelerated cooling starting at the latest three seconds after the last pass of finish rolling; and with the hot strip (W) during the first cooling phase (tCK) of accelerated cooling being cooled at a cooling rate of at least 150° C./s.

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