

Title (en)
METHOD FOR PRODUCING STRIPS MADE OF STEEL, IN PARTICULAR FOR PRODUCING CUTTING AND MACHINING TOOLS HAVING IMPROVED SERVICE LIFE

Title (de)
VERFAHREN ZUR HERSTELLUNG VON BÄNDERN AUS STAHL, INSBESONDERE ZUR HERSTELLUNG VON SCHNEID- UND ZERSPANWERKZEUGEN MIT VERBESSERTER STANDZEIT

Title (fr)
PROCÉDÉ DE FABRICATION DE BANDES EN ACIER, EN PARTICULIER DE FABRICATION D'OUTILS DE COUPE ET D'ENLÈVEMENT DE MATIÈRE À DURÉE DE VIE AMÉLIORÉE

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Application
EP 14750683 A 20140623

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Abstract (en)
[origin: WO2015018385A1] The invention relates to a method for producing strips made of steel, in particular for producing cutting and machining tools having improved service life, wherein a preliminary strip is produced from a melt of a hardenable steel in a casting process and then rolled out into a hot-rolled strip and then, if necessary, annealed and cold rolled. The preliminary strip is produced in a horizontal strip casting system, wherein the melt is discharged from a feed vessel onto a cooled conveyor belt circulating over two deflecting rollers and is cast, with a killed flow and without bending, into a preliminary strip in the range between 6 and 40 mm, then rolled into hot-rolled strip having a degree of deformation of at least 50%, wherein the cooling rate on the top side and the bottom side of the preliminary strip is set differently for the purpose of residual solidification outside of the centre of the strip.

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