

Title (en)
METHOD AND DEVICE FOR CONTROLLED STRAIGHTENING AND COOLING OF A WIDE METAL STRIP, ESPECIALLY A STEEL STRIP OR SHEET METAL, RUNNING OUT OF A HOT ROLLED STRIP ROLLING MILL

Title (de)
VERFAHREN UND EINRICHTUNG ZUM KONTROLLIERTEN RICHTEN UND KÜHLEN VON AUS EINEM WARMBAND-WALZWERK AUSLAUFENDEM, BREITEM METALLBAND, INSBESONDERE VON STAHLBAND ODER BLECH

Title (fr)
PROCEDE ET DISPOSITIF POUR DRESSER ET REFROIDIR DE MANIERE REGULEE UN FEUILLARD METALLIQUE LARGE, NOTAMMENT UN FEUILLARD D'ACIER OU UNE TOLE, SORTANT D'UN LAMINOIR A CHAUD POUR FEUILLARDS

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Application
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Abstract (en)
[origin: US2012024435A1] A method and device for controlled straightening and cooling of a wide metal strip, especially a steel strip or sheet metal, running out of a hot rolled strip rolling mill, using pinching rollers arranged in the moving direction of the strip behind vertical double rollers, said pinching rollers producing a tensile stress acting in a longitudinal direction. According to the invention, the range of use of conventional sheet metal cooling systems can be extended to obtain a more even surface of said steel strip with an increased cooling effect. This is achieved by displacing the metal strip or sheet metal between a pre-straightening machine and splash cooling facility in defined conditions of tensile stress by adjusting the tensile stress and by cooling said strip or sheet metal inside said splash cooling facility between successive pairs of pinching rollers and by additionally controlling the tensile stress.

IPC 8 full level
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