

Title (en)

LOW SURFACE ROUGHNESS CAST STRIP AND METHOD AND APPARATUS FOR MAKING THE SAME

Title (de)

GEGOSSENES BAND MIT GERINGER OBERFLÄCHENRAUIGKEIT UND VERFAHREN UND VORRICHTUNG ZU SEINER HERSTELLUNG

Title (fr)

BANDE DE COULÉE À FAIBLE RUGOSITÉ DE SURFACE, PROCÉDÉ ET APPAREIL POUR FABRIQUER LADITE BANDE

Publication

**EP 1989009 A4 20121017 (EN)**

Application

**EP 07701554 A 20070227**

Priority

- AU 2007000227 W 20070227
- US 36268206 A 20060227

Abstract (en)

[origin: WO2007095695A1] A thin cast strip is formed having at least one microstructure selected from the group consisting of polygonal ferrite, acicular ferrite, Widmanstätten, bainite and martensite, a surface roughness of less than 1.5 microns Ra and a scale thickness of less than about 10 microns by applying a mixture of water and oil on the work rolls of the hot rolling mill, passing the thin cast strip at a temperature of less than 1100° C through the hot rolling mill while the mixture of oil and water is applied to the work rolls, and shrouding the thin cast strip from the casting rolls through the hot rolling mill in an atmosphere of less than 5 % oxygen to form the thin cast strip.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

- [X] EP 0289775 A2 19881109 - VAW VER ALUMINIUM WERKE AG [DE]
- [A] WO 0224355 A1 20020328 - SMS DEMAG AG [DE], et al
- See references of WO 2007095695A1

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