

Title (en)
METHOD FOR MAKING ALUMINIUM ALLOY STRIPS WITH HIGH SURFACE HOMOGENEITY

Title (de)
HERSTELLUNGSVERFAHREN VON ALUMINIUMBAND HOHER OBERFLÄSCHENHOMOGENITÄT

Title (fr)
PROCEDE DE FABRICATION DE BANDES EN ALLIAGE D'ALUMINIUM A GRANDE HOMOGENEITE DE SURFACE

Publication
EP 1056560 A1 20001206 (FR)

Application
EP 99903745 A 19990212

Priority
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Abstract (en)
[origin: US6948550B2] A process for manufacturing a strip of aluminum alloy having high surface homogeneity with an upper side showing after a 1 µm thick sulphur anodic treatment, an optical roughness value S_{N} measured on three 5 cm longitudinal sections and three 5 cm transverse sections, such that its mean variation on each section, defined by the ratio: $(\text{Maximum } S_{\text{N}} - \text{minimum } S_{\text{N}}) / \text{Mean } S_{\text{N}}$ is less than 20%, and the difference $\Delta S_{\text{N}} = S_{\text{Nmax}} - S_{\text{Nmin}}$ is less than 20. The strip is manufactured by continuous casting between two cooled rolls from a casting tank containing the liquid metal connected to an injector, and feeding the liquid metal into the gap between the two rolls. The injector has an upper lip recessed by at least 2 mm with reference to a lower lip of the injector.

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CPC (source: EP US)
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DE102015114725B3; DE102009012984A1; DE102009012984B4; WO2017036456A1; WO2017032371A2; US10960461B2; US10957942B2; EP3296038A1

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