

Title (en)

Process for continuously annealing of a cold rolled steel strip.

Title (de)

Verfahren zur kontinuierlichen Wärmebehandlung eines kaltgewalzten Stahlbandes.

Title (fr)

Procédé pour le traitement thermique en continu d'une bande en acier laminée à froid.

Publication

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Application

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Priority

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Abstract (en)

The present invention involves a concept of combining the following: using instead of a direct fired furnace a radiation heating furnace, thereby preventing the formation of an appreciable oxide layer during the stages for heating to and holding within the requisite annealing temperature range; cooling the annealed steel strip by a cooling medium consisting of a mixture of gas and liquid, and; removing the oxide film formed during the cooling stage, by means of pickling at the final step. In the present invention it is possible to eliminate the surface-quality problems caused by conventional processes and simultaneously to omit the reheating for overaging of the steel strip.

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C21D 9/52

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Citation (search report)

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- [A] PATENTS ABSTRACTS OF JAPAN Vol. 3, No. 7, 24 January 1979 page 60C34 & JP-A-53 130219.
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