

Title (en)  
Process and device for the rolling and annealing of a stainless steel sheet

Title (de)  
Walz- und Glühverfahren für die Herstellung eines Bandes aus nichtrostendem Stahl und Vorrichtung zur Durchführung des Verfahrens

Title (fr)  
Procédé et dispositif pour le laminage et le recuit d'une bande d'acier inoxydable

Publication  
**EP 1669465 A3 20070711 (FR)**

Application  
**EP 05370037 A 20051123**

Priority  
FR 0413221 A 20041213

Abstract (en)  
[origin: EP1669465A2] An annealing process of a stainless steel band, after exposure to at least one first rolling step, comprises heating under reducing atmosphere the stainless steel band, cooling the stainless steel band, and printing on its surface a roughness onto the stainless steel band. Independent claims are also included for: (A) an annealing device for implementing the inventive method, comprising a mechanism for heating under reducing atmosphere the stainless steel band, a mechanism for cooling the stainless steel band, and a rolling device for printing on the surface a roughness on the stainless steel band; and (B) use of the inventive annealing process in a rolling process such as an intermediate annealing process intended for softening the material and restoring the ductility of the stainless steel band, or in a rolling process such as a final annealing process.

IPC 8 full level  
**C21D 8/04** (2006.01); **B21B 1/22** (2006.01); **C21D 9/46** (2006.01); **C21D 9/48** (2006.01)

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Citation (search report)  
• [X] US 3556874 A 19710119 - MCCLAIN ROLLIN T  
• [A] WO 9829205 A1 19980709 - J & L SPECIALTY STEEL INC [US]  
• [A] EP 1099773 A1 20010516 - KAWASAKI STEEL CO [JP]  
• [A] EP 1308532 A2 20030507 - KAWASAKI STEEL CO [JP]

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1669465 A2 20060614**; **EP 1669465 A3 20070711**; **EP 1669465 B1 20090422**; AT E429520 T1 20090515; BR PI0505369 A 20060912; CN 100513591 C 20090715; CN 1800420 A 20060712; DE 602005014069 D1 20090604; ES 2326378 T3 20091008; FR 2879216 A1 20060616; FR 2879216 B1 20070420; JP 2006176877 A 20060706; US 2006124210 A1 20060615

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