

Publication

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Application

**EP 95934304 A 19951013**

Priority

- JP 9502111 W 19951013
- JP 15817295 A 19950623
- JP 18973295 A 19950704

Abstract (en)

[origin: WO9700975A1] Cold rolled steel plate is continuously annealed by means of a continuous annealing equipment which comprises heating means provided in a heating zone and a soaking zone to make use of Joule heat, and cooling means provided in a cooling zone to make use of gas-liquid. Further, provided is a heating device which rapidly provides auxiliary temperature-rise at any portion of the soaking zone in a short period of time to perform heating control so as to set a value of annealing parameter (AP) to -33 or more whereby workability and BH property are improved to continuously anneal steel plates in a compact manner by rapid heating and cooling which are favorably controlled.

IPC 1-7

**C21D 9/56**

IPC 8 full level

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CPC (source: EP KR)

**C21D 9/48** (2013.01 - EP); **C21D 9/56** (2013.01 - EP KR); **C21D 9/573** (2013.01 - EP); **C21D 9/62** (2013.01 - EP); **C21D 9/561** (2013.01 - EP)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 9700975A1

Cited by

BE1012934A3; ITBO20130601A1; ITBO20130602A1; US9290823B2; US6638380B1; WO0127340A1; US10358691B2; US10604820B2; US10351928B2; US10480044B2; WO2015063748A3; WO2015063749A3; EP3066225B1; EP3066224B1

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