

Title (en)

SURFACE GRAIN REFINING HOT-SHEARING METHOD AND PRODUCT OF SURFACE GRAIN REFINING HOT-SHEARING

Title (de)

HEISSSCHERUNGSVERFAHREN MIT OBERFLÄCHENKORNVERFEINERUNG UND HEISSSCHERUNGSProduKT MIT OBERFLÄCHENKORNVERFEINERUNG

Title (fr)

PROCÉDÉ DE DÉCOUPAGE À CHAUD D'AFFINAGE DE GRAIN DE SURFACE ET PRODUIT DE DÉCOUPAGE À CHAUD D'AFFINAGE DE GRAIN DE SURFACE

Publication

EP 2995395 A4 20161228 (EN)

Application

EP 14795101 A 20140509

Priority

- JP 2013099243 A 20130509
- JP 2014062534 W 20140509

Abstract (en)

[origin: EP2995395A1] Provided is a surface layer grain refining hot-shearing method including: heating and keeping a steel sheet in a temperature range of from Ac₃ to 1400°C to austenitize the steel sheet; subsequently shearing the steel sheet in a state in which the steel sheet is placed on a die; and quenching by rapidly cooling the sheared steel sheet, wherein a start temperature of the shearing is set to be a temperature (°C) obtained by adding a temperature of from 30°C to 140°C to a previously measured Ar₃ of the steel sheet.

IPC 8 full level

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Citation (search report)

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Designated contracting state (EPC)

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