

Title (en)
HIGH-STRENGTH STEEL SHEET AND METHOD FOR MANUFACTURING SAME

Title (de)
HOCHFESTES STAHLBLECH UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
TÔLE D'ACIER À HAUTE RÉSISTANCE AINSI QUE PROCÉDÉ DE FABRICATION DE CELLE-CI

Publication
EP 3178949 A1 20170614 (EN)

Application
EP 15830601 A 20150805

Priority
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• JP 2015003947 W 20150805

Abstract (en)
Disclosed is a method comprising: preparing a steel slab with a predetermined chemical composition; subjecting the steel slab to hot rolling by heating it to a temperature of 1100-1300 °C, hot rolling it with a finisher delivery temperature of 800-1000 °C to form a hot-rolled steel sheet, and coiling the steel sheet at a mean coiling temperature of 200-500 °C; subjecting the steel sheet to pickling treatment; subjecting the steel sheet to annealing by retaining the steel sheet at a temperature of 740-840 °C for 10-900 s, and the cooling the steel sheet at a mean cooling rate of 5-30 °C/s to a cooling stop temperature of 150-350 °C; and subjecting the steel sheet to reheating treatment by reheating the steel sheet to a reheating temperature of higher than 350 °C and 550 °C or lower, and retaining the steel sheet at the reheating temperature for 10 s or more.

IPC 8 full level
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CPC (source: EP US)
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Cited by
EP3910087A4; US11008635B2; US11268162B2; US11078552B2; US11560606B2; US11408058B2; US11993823B2; WO2020227438A1

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