

Title (en)

METHOD OF MANUFACTURING GRAIN-ORIENTED ELECTRICAL STEEL SHEET

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES KORNIORIENTIERTEN ELEKTRISCHEN STAHLBLECHS

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE TÔLE EN ACIER ÉLECTRIQUE À GRAINS ORIENTÉS

Publication

**EP 2537947 B1 20181219 (EN)**

Application

**EP 11744742 A 20110218**

Priority

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- JP 2011053491 W 20110218

Abstract (en)

[origin: EP2537947A1] Hot rolling is performed on a steel with a predetermined composition containing Ti: 0.0020 mass% to 0.010 mass% and/or Cu: 0.010 mass% to 0.50 mass% to obtain a hot-rolled steel sheet. Annealing is performed on the hot-rolled steel sheet to obtain an annealed steel sheet. Cold rolling is performed on the annealed steel sheet to obtain a cold-rolled steel sheet. Decarburization annealing is performed on the cold-rolled steel sheet at a temperature of 800°C to 950°C to obtain a decarburization annealed steel sheet. Then, nitridation treatment is performed on the decarburization annealed steel sheet at 700°C to 850°C to obtain a nitrided steel sheet. Finish annealing is performed on the nitrided steel sheet.

IPC 8 full level

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CPC (source: EP KR US)

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