

Title (en)

ORIENTED ELECTRICAL STEEL SHEET AND MANUFACTURING METHOD THEREFOR

Title (de)

ORIENTIERTES ELEKTRISCHES STAHLBLECH UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

TÔLE D'ACIER MAGNÉTIQUE À GRAINS ORIENTÉS ET PROCÉDÉ DE FABRICATION DE CETTE TÔLE

Publication

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Application

**EP 16879299 A 20161220**

Priority

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Abstract (en)

[origin: EP3395959A1] A method for manufacturing an oriented electrical steel sheet according to an exemplary embodiment of the present invention includes: providing a slab including, as wt%, Si at equal to or less than 4.0 % (excluding 0 %), C at 0.001 % to 0.4 %, and Mn at 0.001 % to 2.0 %, and including a balance including Fe and inevitably mixed and input impurities; reheating the slab; manufacturing a hot steel sheet by hot-rolling the slab; performing hot-rolled steel sheet annealing to the hot steel sheet; primarily cold-rolling the hot-rolled steel sheet annealed hot steel sheet; decarburization-annealing the cold-rolled steel sheet; secondarily cold-rolling the decarburization-annealed steel sheet; and finally annealing the cold-rolled steel sheet, wherein, regarding the finally annealed steel sheet, a size 2L of a magnetic domain existing in a grain is less than a thickness D of the steel sheet (2L < D).

IPC 8 full level

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Citation (search report)

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- See references of WO 2017111432A1

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