Title (en)

NON-ORIENTED ELECTROMAGNETIC STEEL SHEET AND METHOD FOR MANUFACTURING SAME

Title (de)

NICHT ORIENTIERTES ELEKTROMAGNETISCHES STAHLBLECH SOWIE VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

TÔLE D'ACIER ÉLECTROMAGNÉTIQUE NON ORIENTÉ ET SON PROCÉDÉ DE FABRICATION

Publication

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Application

EP 11859212 A 20110224

Priority

JP 2011001074 W 20110224

Abstract (en)

[origin: US2013306200A1] The present invention provides a non-oriented electrical steel sheet at low cost that has excellent magnetic properties and mechanical properties as well as excellent quality of steel sheet. The non-oriented electrical steel sheet has a chemical composition containing, by mass %, Si: 5.0% or less, Mn: 2.0% or less, Al: 2.0% or less, and P: 0.05% or less, in a range satisfying formula (1), and furthermore, C: 0.008% or more and 0.040% or less; N: 0.003% or less, and Ti: 0.04% or less, in a range satisfying formula (2), with the balance composed of Fe and incidental impurities: 300@85[Si %]+16[Mn %]+40[Al %]+490[P %]@430(1) 0.008@Ti*<1.2[C %](2), where Ti*=Ti-3.4[N %].

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

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- See also references of WO 2012114383A1

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