

Title (en)
ANNEALING SEPARATION AGENT FOR PRODUCING GRAIN-ORIENTED SILICON STEEL WITH SMOOTH SURFACE AND GOOD MAGNETIC PROPERTY

Title (de)
GLÜHTRENNMITTEL ZUR HERSTELLUNG EINES KORNIORIENTIERTEN SILICIUMSTAHL MIT GLATTER OBERFLÄCHE UND GUTEN MAGNETEIGENSCHAFTEN

Title (fr)
AGENT DE SÉPARATION DE RECUIT POUR LA PRODUCTION D'ACIER AU SILICIUM À GRAINS ORIENTÉS PRÉSENTANT UNE SURFACE LISSE ET UNE BONNE PROPRIÉTÉ MAGNÉTIQUE

Publication
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Application
EP 11835488 A 20110414

Priority
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Abstract (en)
[origin: EP2634270A1] An annealing separator for manufacturing grain-oriented silicon steel with mirror-like surface having good magnetic performance consists of the composition of which is 77-98 by wt% of Al₂O₃ powder, 1-8 by wt% of alkaline earth powder, 1#¼15 by wt% of alkali metal chloride and/or alkaline earth metal chloride. The annealing separator of the invention can avoid forming a glass-film undercoating on the surface of the steel sheet during high-temperature annealing, and at the same time, the oxide embedded at near-surface of the sheet is removed by means of corrosive reaction of the chloride, so that a produce with smooth surface and stable magnetic performance is obtained.

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Citation (search report)
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• [Y] JP 2004277765 A 20041007 - JFE STEEL KK
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Designated contracting state (EPC)
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