

Title (en)  
METHOD FOR ANNEALING GRAIN ORIENTED MAGNETIC STEEL SHEET

Title (de)  
VERFAHREN ZUM GLÜHEN VON KORNIORIENTIERTEM ELEKTROSTAHLBLECH

Title (fr)  
PROCEDE DE RECUIT DE FEUILLE D'ACIER MAGNETIQUE A GRAINS ORIENTES

Publication  
**EP 1698706 B1 20170816 (EN)**

Application  
**EP 04801652 A 20041203**

Priority  
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Abstract (en)  
[origin: EP1698706A1] By using a treatment solution containing an Al compound in the form of a solution or a colloidal solution and a stable compound at a high temperature and having a viscosity of 25 mPa·s or less as an annealing separator, a superior annealing separation effect can be obtained without causing any dust problem and line contamination. In addition, when the above annealing separator is used in final annealing or the like in a manufacturing process of a grain-oriented electrical steel sheet, a grain-oriented electrical steel sheet can be obtained which has no forsterite coating or which has superior forsterite coating properties.

IPC 8 full level  
**C21D 9/46** (2006.01); **C21D 8/12** (2006.01); **C22C 38/00** (2006.01); **C22C 38/04** (2006.01); **C22C 38/60** (2006.01); **H01F 1/16** (2006.01)

CPC (source: EP KR)  
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**EP 1698706 A1 20060906; EP 1698706 A4 20070530; EP 1698706 B1 20170816**; CN 100513597 C 20090715; CN 1890390 A 20070103; EP 2559775 A1 20130220; EP 2559775 B1 20180418; ES 2643750 T3 20171124; ES 2673149 T3 20180620; KR 100774229 B1 20071107; KR 20060103517 A 20061002; TW 200525042 A 20050801; TW I272311 B 20070201; WO 2005054523 A1 20050616

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