

Title (en)

Thick grain-oriented electrical steel sheet exhibiting excellent magnetic properties

Title (de)

Dicke kornorientierte Elektrostahlbleche mit hervorragenden magnetischen Eigenschaften

Title (fr)

Tôle d'acier électrique épaisse à grains orientés ayant des propriétés magnétiques excellentes

Publication

EP 0585956 B1 19980107 (EN)

Application

EP 93114263 A 19930906

Priority

JP 23715092 A 19920904

Abstract (en)

[origin: EP0585956A1] A grain-oriented electrical steel sheet comprising 2.5 - 4.5 % Si by weight and measuring 0.36 - 1.00 mm in thickness is imparted with a good core loss value for its thickness by controlling its C content, flux density, grain boundary configuration, and deviation degree of crystal orientation in the grains. <IMAGE>

IPC 1-7

H01F 1/147; **C21D 8/12**

IPC 8 full level

C21D 8/12 (2006.01); **C22C 38/00** (2006.01); **H01F 1/147** (2006.01); **H01F 1/16** (2006.01)

CPC (source: EP)

C21D 8/1244 (2013.01); **H01F 1/14775** (2013.01); **C21D 8/1255** (2013.01); **C21D 8/1261** (2013.01); **C21D 8/1272** (2013.01)

Citation (examination)

- JP H0372027 A 19910327 - NIPPON STEEL CORP
- PATENT ABSTRACTS OF JAPAN, unexamined applications, C field, vol. 16, no. 261, June 12, 1992, THE PATENT OFFICE JAPANESE GOVERNMENT, page 68 C 950 No. 04-59 928
- PATENT ABSTRACTS OF JAPAN, unexamined applications, C field, vol. 16, no. 261, June 12, 1992, THE PATENT OFFICE JAPANESE GOVERNMENT page 68 C 950 No. 04-59 929

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US7736444B1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0585956 A1 19940309; **EP 0585956 B1 19980107**; DE 69316114 D1 19980212; DE 69316114 T2 19980423; JP 2659655 B2 19970930; JP H0688170 A 19940329

DOCDB simple family (application)

EP 93114263 A 19930906; DE 69316114 T 19930906; JP 23715092 A 19920904