

Title (en)

Silicon steel having low residual magnetic flux density

Title (de)

Siliziumstahl mit niedrigem Restgehalt an magnetische Flussdichte

Title (fr)

Acier au silicium ayant une basse teneur en densité de flux magnétique résiduel

Publication

EP 0947596 B1 20031217 (EN)

Application

EP 98105841 A 19980331

Priority

EP 98105841 A 19980331

Abstract (en)

[origin: EP0947596A1] A silicon steel sheet has low residual magnetic flux density. The silicon steel sheet comprises Fe of a base element and Si of an alloying element. An average Si concentration is at most 7 wt.%. A difference between the maximum Si concentration and the minimum Si concentration is at least 0.5 wt.%.

IPC 1-7

C22C 38/02; **H01F 27/245**

IPC 8 full level

C21D 8/12 (2006.01); **C22C 38/02** (2006.01); **H01F 1/147** (2006.01)

CPC (source: EP)

C21D 8/12 (2013.01); **C22C 38/02** (2013.01); **H01F 1/14775** (2013.01); **C21D 2201/05** (2013.01); **C21D 2221/10** (2013.01)

Cited by

EP2657356A4; CN103429775A; WO2017170749A1; US9240265B2; US9997283B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0947596 A1 19991006; **EP 0947596 B1 20031217**; DE 69820587 D1 20040129; DE 69820587 T2 20041007

DOCDB simple family (application)

EP 98105841 A 19980331; DE 69820587 T 19980331