

Title (en)
METHOD OF MANUFACTURING UNIDIRECTIONAL SILICON STEEL SLAB HAVING EXCELLENT SURFACE AND MAGNETIC PROPERTIES.

Title (de)
VERFAHREN ZUR HERSTELLUNG GLEICHGERICHTETER SILIZIUMSTAHLBRAMMEN MIT HERVORRAGENDER OBERFLÄCHE UND HERVORRAGENDEN MAGNETISCHEN EIGENSCHAFTEN.

Title (fr)
PROCEDE DE FABRICATION DE BRAMES D'ACIER AU SILICIUM UNIDIRECTIONNEL POSSEDANT D'EXCELLENTE CARACTERISTIQUES MAGNETIQUES ET DE SURFACE.

Publication
EP 0205619 A4 19871112 (EN)

Application
EP 85900193 A 19841214

Priority
JP 8400599 W 19841214

Abstract (en)
[origin: EP0205619A1] Silicon-steel slab contg. C (0.01-0.08 wt.%), Si (3.1-4.5 wt.%), sol. Al (0.005-0.06 wt.%), Mo (0.003-0.1 wt.%) and S and/or Se (0.005-0.1 wt.% in all) is heat-treated at 1270 deg.C or above, the ignition loss upon heating being 2.7-5.0%; hot-rolled; continuously annealed at 950-1200 deg.C and rapidly cooled, cold-rolled at 250-400 deg.C, the redn. ratio during cold-rolling being 80-90%; and then subjected to conventional prim. re-crystallisation annealing with decarburisation followed by second re-crystallisation finish-annealing.

IPC 1-7
C21D 8/12; **C22C 38/60**; **H01F 1/16**

IPC 8 full level
C21D 8/12 (2006.01); **C22C 38/02** (2006.01)

CPC (source: EP)
C21D 8/1227 (2013.01); **C22C 38/02** (2013.01); **C21D 8/1261** (2013.01)

Citation (search report)

- [Y] US 4280856 A 19810728 - INOKUTI YUKIO, et al
- [A] US 4478653 A 19841023 - LITTMANN MARTIN F [US]
- [Y] PATENT ABSTRACTS OF JAPAN, vol. 8, no. 193 (C-241)[1630], 5th September 1984; & JP-A-59 085 820 (KAWASAKI SEITETSU K.K.) 17-05-1984
- See references of WO 8603784A1

Cited by
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