

Title (en)

Hot rolled magnetic steel sheet.

Title (de)

Warmgewalzte Elektrostahlbleche.

Title (fr)

Tôle d'acier magnétique laminée à chaud.

Publication

**EP 0401098 A1 19901205 (FR)**

Application

**EP 90401402 A 19900525**

Priority

FR 8907263 A 19890601

Abstract (en)

Magnetic metal sheet obtained from a hot-rolled steel strip containing especially iron, silicon and aluminium and forming part of a class of sheets with oriented grain, characterised in that its composition is the following: silicon lower than 3.3%, aluminium between 1.5 and 8%, in concentration by weight, and in that the steel strip is subjected to cold rolling in two stages with a final reduction ratio of between 50 and 80%, the magnetic sheet obtained having a general texture of cubic type, at least 40% of the grain not departing by more than 15 DEG from the ideal cubic orientation (100) [001] in Miller's notation.

IPC 1-7

**C21D 8/12**; **C22C 38/02**; **C22C 38/06**

IPC 8 full level

**C21D 8/12** (2006.01); **C21D 9/46** (2006.01); **C22C 38/00** (2006.01); **C22C 38/02** (2006.01); **C22C 38/06** (2006.01); **H01F 1/16** (2006.01)

CPC (source: EP US)

**C21D 8/1233** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP US); **C22C 38/06** (2013.01 - EP US)

Citation (search report)

- [A] FR 2372237 A1 19780623 - KAWASAKI STEEL CO [JP]
- [A] FR 2186714 A1 19740111 - SALZGITTER PEINE STAHLWERKE [DE]
- [A] DE 1227490 C
- [A] EP 0089195 A1 19830921 - KAWASAKI STEEL CO [JP]

Cited by

DE19634524A1; CN114521546A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0401098 A1 19901205**; **EP 0401098 B1 19951129**; AT E130874 T1 19951215; DE 69023814 D1 19960111; DE 69023814 T2 19960411; DK 0401098 T3 19960226; ES 2082841 T3 19960401; FR 2647813 A1 19901207; FR 2647813 B1 19910920; GR 3018689 T3 19960430; JP H0324251 A 19910201; US 5306356 A 19940426

DOCDB simple family (application)

**EP 90401402 A 19900525**; AT 90401402 T 19900525; DE 69023814 T 19900525; DK 90401402 T 19900525; ES 90401402 T 19900525; FR 8907263 A 19890601; GR 960400090 T 19960117; JP 14423690 A 19900601; US 80762791 A 19911213