

Title (en)

Magnetic hot rolled steel strip particularly suited for the production of electromagnetic lamination packs

Title (de)

Warmgewalztes magnetisches Stahlband zur Herstellung von gestapelten magnetischen Kernblechen

Title (fr)

Tole magnétique laminée à chaud pour la production de paquets de tole électromagnétiques

Publication

EP 1662010 B1 20090107 (EN)

Application

EP 04425877 A 20041124

Priority

EP 04425877 A 20041124

Abstract (en)

[origin: EP1662010A1] A hot rolled low carbon steel strip with a reduced content of silicon and thickness comprised between 0.65 and 1.5 mm can be used in a particularly advantageous way for the production of multilayer packs of cold cut lamination and all those products composed of a number of overlying steel sheets which are required to have a substantial parallelism, planarity and no burrs, providing a valid alternative solution to the cold rolled, non-oriented grain silicon steel strip which is usually employed to this purpose. Said steel strip is characterized by a silicon content < 0.03 %, a thickness preferably between about 0.65 and 1 mm, reduced tolerances of ± 0.05 mm, a parallelism rate < 0.02 mm and a fine and uniform grain structure with the 70% of the ferritic grains comprised between the grades 9 and 12 of the ASTM E 112 standard.

IPC 8 full level

C21D 8/02 (2006.01); **C21D 8/12** (2006.01)

CPC (source: EP)

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Cited by

JP2016047943A; CN103028599A; CN109097535A; CN107962075A; US8137485B2; WO2013051042A1; WO2007086088A1; WO2009012963A1; WO2007086087A1

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EP 1662010 A1 20060531; **EP 1662010 B1 20090107**; AT E420214 T1 20090115; DE 602004018942 D1 20090226; DK 1662010 T3 20090427; ES 2316949 T3 20090416; HR P20090096 T3 20090531; PL 1662010 T3 20090630; PT 1662010 E 20090303; RS 51272 B 20101231; SI 1662010 T1 20090430

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