

Title (en)

Non-oriented electrical strip and method of manufacturing.

Title (de)

Nichtkornorientiertes Elektroband und Verfahren zu seiner Herstellung.

Title (fr)

Bandé électrique à grains non-orientés et procédé pour sa fabrication.

Publication

**EP 0431502 B1 19940928 (DE)**

Application

**EP 90123040 A 19901201**

Priority

DD 33529089 A 19891206

Abstract (en)

[origin: EP0431502A2] The invention relates to a non-grain-oriented electrical strip with large fractions of cubic texture or cubic-surface texture and a polarisation J 2500 > 1.7 T and a low remagnetisation loss, and to a manufacturing method for this. A steel ingot containing, apart from iron, less than 0.025% C, less than 0.1% Mn, 0 to 0.15% of surface-active elements, Si and Al, in such a way that the relationships (% Si) + 2(% Al) > 1.6% and (%Si) + (% Al) < 4.5% are met, is hot-rolled to a thickness of not less than 3.5 mm. The hot strip thus obtained is then cold-rolled at a degree of deformation of at least 86% without recrystallising and interannealing and, if necessary, finally annealed.

IPC 1-7

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IPC 8 full level

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CPC (source: EP KR US)

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Cited by

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