

Title (en)
NON-ORIENTED ELECTRICAL STRIP AND METHOD OF MANUFACTURING

Publication
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Application
EP 90123040 A 19901201

Priority
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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 $(\% \text{ Si}) + 2(\% \text{ Al}) > 1.6\%$ and $(\% \text{ Si}) + (\% \text{ Al}) < 4.5\%$ 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.

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