

Title (en)

A method of manufacturing a grain-oriented electrical steel strip.

Title (de)

Verfahren zum Herstellen eines kornorientierten Elektrostahlbandes.

Title (fr)

Procédé de fabrication d'une bande en acier électrique à grain orienté.

Publication

**EP 0378131 A2 19900718 (EN)**

Application

**EP 90100231 A 19900105**

Priority

- JP 177889 A 19890107
- JP 8650289 A 19890405

Abstract (en)

Provided is a method of manufacturing a grain-oriented electrical steel strip having excellent magnetic properties, that is, high magnetic flux density in particular, which is characterized in that the average diameter  $d$  of grain (primary recrystallization grain) of a material before final annealing is set to a value greater than  $15 \mu\text{m}$  and the coefficient  $\sigma^*$  of deviation in grain diameter is set to a value less than 0.6. According to the present invention, the aggregation to the  $\{110\}<001>$  orientation of a product can be made to be remarkably high so as to obtain a product having a high magnetic flux density  $B_8$  which is equal to or greater than 1.88 tesla.

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IPC 8 full level

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Cited by

DE102011107304A1; WO2013004747A1; CN110457729A; EP0585956A1; US5720196A; EP0947597A3; KR100501002B1; EP0726328A1; US5665178A; EP0534432A3; KR100501003B1; EP0648847A1; US5472521A; EP0539858A1; US5261972A; CN103748240A; US6858095B2

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