

Title (en)
IRON BASE, SOFT MAGNETIC STEEL MATERIAL.

Title (de)
WEICHES MAGNETISCHES STAHLMATERIAL MIT EISENBASIS.

Title (fr)
MATERIAU EN ACIER MAGNETIQUE DOUX A BASE DE FER.

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EP 0429651 B1 19940302

Application
EP 90900342 A 19891208

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Abstract (en)
[origin: EP0429651A1] This invention relates to an iron base, soft magnetic steel material which has high permeability and moreover, can be produced economically. The steel material of this invention uses a pure iron type component as a base and contains 0.5 to 2.5 % of Al and, whenever necessary, 0.005 to 1.0 % of Ti. Its ferrite crystal grain size is at least 0.5 mm, its magnetic flux density is at least 11,000 G at 0.5 Oe under the state where a lattice strain is removed sufficiently, its magnetic flux density is at least 15,500 G at 25 Oe and its coercive force is up to 0.4 Oe.

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