

Title (en)
Insulating process for soft magnetic strips

Title (de)
Isolationsverfahren für weichmagnetische Bänder

Title (fr)
Procédé pour isoler les bandes magnétiques douces

Publication
EP 0597284 B1 19980121 (DE)

Application
EP 93116910 A 19931020

Priority
DE 4238150 A 19921112

Abstract (en)
[origin: EP0597284A1] The invention relates to an insulation process for soft-magnetic (low-retentivity) semifinished products which is based on the use of water-soluble salts of aluminium and/or of magnesium. The solution is applied to the semifinished product, and magnesium oxide and/or aluminium oxide is only formed by subsequent heat treatment of the semifinished product at a temperature of above the decomposition temperature of the salt. This makes it possible to shape the semifinished products, for example by stamping, cutting or dividing, before the oxide ceramic grain providing the actual insulation is formed. This reduces the tool wear during shaping.

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