

Abstract

A magnet core wound from a soft magnetic strip for low frequency applications designed to have a relative permeability μ_r improved by the reduction of mechanical stresses. To this end a soft magnetic strip is coated on at least one side with a static-friction-reducing material which is partially consumed during the heat treatment of the magnet core. What remains is its ignition residue and thus layers of soft magnetic material and layers of the ignition residue of a static-friction-reducing material alternate through the cross-section of the magnet core.

15 [Fig. 2c]