

[Abstract]

This coating composition for an electrical steel sheet is a coating composition for an electrical steel sheet containing an epoxy resin, a high-temperature curing agent, and inorganic fine particles, wherein a content of the high-temperature curing agent with
5 respect to 100 parts by mass of the epoxy resin is 5 to 30 parts by mass, wherein the inorganic fine particles are one or more selected from metal hydroxides, metal oxides that react with water at 25°C to become metal hydroxides and silicate minerals having a hydroxyl group, wherein the volume average particle diameter of the inorganic fine particles is 0.05 to 2.0 μm , wherein a content of the epoxy resin with respect to a total
10 mass of the coating composition for an electrical steel sheet is 45 mass% or more, and wherein a content of the inorganic fine particles with respect to 100 parts by mass of the epoxy resin is 1 to 100 parts by mass.

FIG. 1