

[Abstract]

LAMINATED CORE, LAMINATED CORE MANUFACTURING METHOD, AND
ELECTRIC MOTOR

5 Provided is an electric motor using a laminated core in which punched electrical
steel sheets are adhered to each other with a high adhesion strength. The laminated core
includes: a plurality of electrical steel sheets which are stacked on each other and of
which both surfaces are coated with an insulation coating; and an adhesion part which is
disposed between the electrical steel sheets adjacent to each other in a stacking direction
and adheres the electrical steel sheets to each other, wherein all sets of the electrical steel
10 sheets adjacent to each other in the stacking direction are adhered to each other by the
adhesion parts, wherein the adhesion parts are provided at a plurality of positions
between the electrical steel sheets, and wherein the adhesion part is a layer made of an
adhesive containing any one or both of an acrylic resin and an epoxy resin and having an
SP value of 7.8 to 10.7 (cal/cm³)^{1/2}.

15

FIG. 3