

NON-ORIENTED SILICON STEEL AND PREPARATION METHOD THEREFOR

ABSTRACT

5 The present application discloses a non-oriented silicon steel and a preparation method therefor. The preparation method comprises: a Si content of 3.3~3.6% and an Al content of 0.4~0.8% in a continuous casting slab; after heating, hot rolling and coiling the continuous casting slab, producing a primary cold-rolled sheet of 0.50~0.70mm through a first-stage cold rolling, and then
10 holding at 820°C~860°C; then producing a secondary cold-rolled sheet of 0.15~0.20mm through a second-stage cold rolling, and then holding at 900°C~1000°C to obtain a secondary annealed sheet; cooling, coating and finishing to obtain a finished product. The finished product can be used as a material for a stator core of a new energy drive motor, solving the technical
15 problems of poor magnetic properties, high alloy elements, a long process route, and complex procedures in the existing technology.

(No Figure)