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(57) **ABSTRACT**

The present disclosure provides a magnetic element, including: a magnetic column extending along a first direction; a first winding surrounding the magnetic column, connected to a first terminal located on a first side of the magnetic element, and the first terminal has a first projection of the first terminal on a first side surface of the magnetic element; and a second winding surrounding the magnetic column and at least partially outside the first winding, wherein the second winding has a first projection of the second winding on the first side surface of the magnetic element, the first projection of the first terminal is at least partially outside the first projection of the second winding, the second winding is a flatwise-wound winding, and the number of turns of the first winding is greater than or equal to the number of turns of the second winding.

