

Abstract of the Disclosure:

**MAGNETIC CORE HAVING AN EFFECTIVE MAGNETIC BIAS AND
MAGNETIC DEVICE USING THE MAGNETIC CORE**

A magnetic core (10) is provided with a flange portion (12) protruding outward a winding core portion (11) in a radial direction perpendicular to a center axis (19) of the winding core portion. The winding core portion has an outer peripheral surface (11a) which surrounds the center axis to have a first distance (d1) therebetween. The flange portion is provided with a permanent magnet (15) apart from the center axis by a second distance (d2) greater than the first distance.

(Fig. 4)