

**Magnetic Composite Article and Manufacturing Method
of the Same, and Soft Magnetic Powder of Fe-Al-Si
System Alloy Used in the Composite Article**

ABSTRACT

Soft magnetic powder of Fe-Al-Si system of which magnetostrictive constant λ takes a positive value at the room temperature is employed to produce a magnetic composite article so that a temperature characteristic of core-loss of the article takes a negative value at the room temperature. Excellent magnetic characteristics such as a low core-loss and a high permeability can be obtained at a high frequency band.

Fig. 1