

## **ABSTRACT**

### **ELECTROMAGNETIC DEVICE**

5    Magnetic force deteriorates in a shorter time due to  
fastening pressure applied to a permanent magnet and  
positional shift of the permanent magnet due to  
vibration at the time of assembling an electromagnetic  
device having the permanent magnet attached thereto.  
10   A frame-shaped magnet holder composed of a  
nonmagnetic material is provided. The magnet holder is  
formed with a thickness equivalent to or slightly more  
than that of the permanent magnet, and is provided with  
a fixing arm, which is connected to one edge of the  
15   frame-like body along the center line thereof and has a  
fixing hole. Furthermore, supporting pieces are  
arranged to face the fixing arm with a hollow section  
therebetween, such that the supporting piece ends on  
one side are connected to the edge of the frame-like  
20   body and that the other ends are in the opened state.  
On the surface where each supporting piece and the  
frame-like edge face each other, a space where the  
permanent magnet or a magnetic short-circuiting piece  
is fitted and inserted is provided.

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Figure 3.