

ABSTRACT**DISPLAY ELEMENT FOR AN ELECTROMAGNETIC DISPLAY DEVICE**

A display element for an electromagnetic display device has a frame (10), a disc (20) pivotally mounted on the frame (10) with a lateral pivotal axis, a cutout portion (204) defined on the disc (20), a permanent magnet (22) nonsymmetrically mounted on the disc (20), an electromagnet (24) located on one side of the pivotal axis and a limit (18) integrally protruding from the frame (10) on the other side of the pivotal axle. Consequently, the disc (20) will actually rotate relative to the frame (10) by the interaction of the magnetic fields between the electromagnet (24) and the permanent magnet (22) in addition to the nonsymmetric shape of the disc (20). Therefore, each display element only needs a single electromagnet (24) so as to reduce the cost of the manufacturing and using the electromagnetic display device.

Fig. 1