

**ABSTRACT****An Oscillation Sensing Device**

An oscillation sensing device (1) includes a magnetised member (6) mounted  
5 on a substrate (4). A magneto-electrical material (7) is mounted on the  
substrate (4) such that the magneto-electrical material (7) is subjected to the  
magnetic field generated by the magnetised member (6). A movable member  
(3) is mounted for oscillation (8) in response to an oscillating force. Oscillation  
of the movable member (3) causes a change in the magnetic field experienced  
10 by the magneto-electrical material (7) and an electrical property of the magneto-  
electrical material (7) changes in response to changes in the magnetic field  
experienced by the magneto-electrical material (7) due to oscillation of the  
movable member (3).

15 **Figure 1**