

ABSTRACT

**MICROSTRUCTURE PROVIDED WITH A MAGNETIC
ANTENNA OR A MAGNETIC DETECTION ELEMENT**

The invention concerns a microstructure formed of a semiconductor substrate (2), in which is integrated an electronic circuit, and of a magnetic antenna or a magnetic detection element connected to this electronic circuit and including a coil (4) formed by a conductive wire (6). This coil (4) includes
5 a first portion (8) arranged on the side of an upper face (10) of said substrate and a second portion (9) arranged on the side of a lower face (11) of the substrate. These first and second portions are electrically connected by at least a first opening (14) made in said substrate between its upper and lower faces.

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Figures 2a and 2b