

RADIO FREQUENCY IDENTIFICATION TAG

ABSTRACT

The invention is a radiofrequency identification tag comprising a semiconductor chip having radio frequency, logic, and memory circuits, and an antenna that are mounted on a substrate. The antenna may be used by the chip to modulate an incident RF signal to transfer information to a base station. The antenna comprises one or more lengths of thin wire that are connected directly to the chip by means of wire bonding. The chip and antenna combination are sealed with an organic film covering.

