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**RADIO FREQUENCY CIRCUIT AND MEMORY IN THIN FLEXIBLE
PACKAGE**

ABSTRACT

The present invention is a novel thin and flexible radio frequency (RF) tag that comprises a semiconductor circuit that has logic, memory, and radio frequency circuits, connected to an antenna with all interconnections placed on a single plane of wiring without crossovers. The elements of the package (substrate, antenna, and laminated covers) are flexible. The elements of the package are all thin. The tag is thin and flexible, enabling a unique range of applications including: RF ID tagging of credit cards, passports, admission tickets, and postage stamps.

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