

Abstracts

A Microwave Non-Contact Identification Transponder Using Subharmonic Interrogation

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A credit-card sized microwave transponder is presented for "wireless key" and surveillance applications. Based on a subharmonically pumped quasi-optical mixer, the transponder is activated by a C-band interrogation beam to upconvert and radiate a digitally modulated identification tone at X-band frequencies non-harmonically related to the interrogation signal.

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