

Title (en)
MICROWAVE READABLE DIELECTRIC BARCODE

Title (de)
MIKROWELLENLESBARER DIELEKTRISCHER STRICHCODE

Title (fr)
CODE A BARRE DIELECTRIQUE POUVANT ETRE LU AU MICRO-ONDES

Publication
EP 1820033 A2 20070822 (EN)

Application
EP 05853559 A 20051208

Priority
• US 2005044675 W 20051208
• SE 0402996 A 20041209
• US 59496105 P 20050523

Abstract (en)
[origin: WO2006107352A2] Presented is a system and method for reading a microwave readable barcode formed from a pattern of dielectric material. The dielectric pattern creates a strong microwave contrast with the surrounding media selectively resonating with or scattering an interrogating microwave signal. Dielectric bars can be fabricated by inkjet printing, injection, spraying, drawing or any other technique. Barcode information is encoded using different lengths, angles, or positions of dielectric bars. A microwave readable dielectric barcode system includes a barcode fabricated from a dielectric material, a transmitter with an antenna, and a sensor that senses the effect produced by the dielectric barcode on the microwave signal. The dielectric barcode system can use multiple microwave signals that differ in one or more respects, such as polarization or frequency.

IPC 8 full level
G01R 27/04 (2006.01); **G01R 27/28** (2006.01)

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DOCDB simple family (publication)
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