

Title (en)  
ULTRASONIC DETECTION OF DENTAL CARIES

Title (de)  
ULTRASCHALLDETEKTION VON KARIES

Title (fr)  
DETECTION PAR ULTRASONS DE CARIES DENTAIRES

Publication  
**EP 0713375 A1 19960529 (EN)**

Application  
**EP 94922325 A 19940810**

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Abstract (en)  
[origin: WO9504506A1] A method of and apparatus for detecting caries or other abnormality in a tooth. The tooth is contact-scanned by a probe containing one or more ultrasonic transducers, the working surface of the probe being elastic so that it can continuously change configuration to match the changing configuration of the tooth. A visual record of the ultrasonic echoes is constructed to generate regular and continuous patterns, indicative of normal interfaces within the healthy tooth, so that evident discontinuities and irregularities in the record become indicators of sites of abnormality.

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