

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

Priority
• GB 9401748 W 19940810
• GB 9316615 A 19930810

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.

IPC 1-7
A61C 19/04; **A61B 8/08**

IPC 8 full level
A61B 8/00 (2006.01); **A61B 8/08** (2006.01); **A61C 19/04** (2006.01)

CPC (source: EP)
A61B 8/0858 (2013.01); **A61B 8/4483** (2013.01); **A61C 19/04** (2013.01)

Citation (search report)
See references of WO 9504506A1

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
WO 9504506 A1 19950216; EP 0713375 A1 19960529; GB 9316615 D0 19930929; JP H09503932 A 19970422

DOCDB simple family (application)
GB 9401748 W 19940810; EP 94922325 A 19940810; GB 9316615 A 19930810; JP 50630995 A 19940810