

Title (en)

METHOD AND DEVICE FOR THE ACQUISITION AND TREATMENT OF DENTAL IMAGES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERFASSUNG UND VERARBEITUNG VON ZAHNBILDERN

Title (fr)

PROCEDE ET DISPOSITIF D'ACQUISITION ET DE TRAITEMENT D'IMAGES D'UNE DENT

Publication

EP 1392158 A1 20040303 (FR)

Application

EP 02740822 A 20020527

Priority

- FR 0201776 W 20020527
- FR 0107274 A 20010601

Abstract (en)

[origin: WO02096281A1] A method and device for the acquisition and treatment of dental images, comprising means for the excitation of a region (12) of a tooth using monochromatic ultraviolet light pulses alternating with visible light pulses, video means (32, 34, 36, 38) for taking images of the fluorescence emitted by the tooth in two high and low energy wavelength bands of the emission spectrum and means (40) for processing the information in order to compare the spectral intensities of the fluorescence in said two wavelength bands and to ascertain the presence or absence of caries in the examined region (12) of the tooth.

IPC 1-7

A61B 5/00

IPC 8 full level

G01N 21/64 (2006.01); **A61B 1/04** (2006.01); **A61B 1/24** (2006.01); **A61B 5/00** (2006.01); **A61C 19/04** (2006.01)

CPC (source: EP US)

A61B 5/0088 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 02096281 A1 20021205; CA 2448936 A1 20021205; EP 1392158 A1 20040303; FR 2825260 A1 20021206; FR 2825260 B1 20040820; JP 2004526550 A 20040902; US 2004236232 A1 20041125

DOCDB simple family (application)

FR 0201776 W 20020527; CA 2448936 A 20020527; EP 02740822 A 20020527; FR 0107274 A 20010601; JP 2002592800 A 20020527; US 72099803 A 20031124