Abstract: A method of dental microscopic procedure, using a digital surgical scope (100), includes steps for selecting a function of the digital surgical scope to perform, obtaining the corresponding images from the image data taking device (12) or the image data processing/storing device (30), processing the images by the image data processing/storing device, and displaying the images on the displays (20). The dental surgical procedure is done by seeing the images displayed on the screen. The digital surgical scope includes a microscope lens assembly (14) for magnifying an optical image of an object and an in-line illumination device (16) for illuminating the object along the same optical axis and from the same direction of the microscope lens assembly. The image data processing/storing device is for manipulating the image taken by the microscope lens assembly and the image data taking device.
Previous Correction:
see PCT Gazette No. 28/2007 of 12 July 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
INTERNATIONAL SEARCH REPORT

INTERNATIONAL SEARCH REPORT

A CLASSIFICATION OF SUBJECT MATTER

IPC(8): G06K 9/00 (2007 01)
USPC: 382/128

According to International Patent Classification (IPC) or to both national classification and IPC

FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8): G06K 9/00 (2007 01), USPC: 382/128

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

USPC 382/128, 132 (keyword limited - see keywords below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWEST, SCHOLAR GOOGLE: video processing, capture, store, display, RGB, Gamma, zoom, image, dental, video, surgery, thumbnail, annotate database, patient, x-ray

DOCUMENTS CONSIDERED TO BE RELEVANT

Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No


Y US 6,190,309 B1 (OSHIMA et al ) 20 February 2001 (20 02 2001), entire document, Abstract, col 4, in 3-7, Fig 1, col 4, in 9-19, Fig 4, col 4, in 19-32, Fig 5, col 1, in 10-12, col 1, in 60-col 2, in 49, col 2, in 4-8, col 4, in 15-17, Fig 4


Y US 2003/0058989 A1 (ROTONDO et al ) 27 March 2003 (27 03 2003), entire document, Abstract, para [0019], [0031], para [0025]


* Special categories of cited documents
'A' document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search 5 August 2007 (05 08 2007)

Date of mailing of the international search report 01 OCT 2007

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