Title (en)

METHOD AND DEVICE FOR CREATING A FIBRESCOPIC RECORDING THAT IS DEVOID OF STRUCTURES

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ERZEUGEN EINER STRUKTURFREIEN FIBERSKOPISCHEN AUFNAHME

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR PRODUIRE UNE PRISE DE VUE FIBROSCOPIQUE NON STRUCTURÉE

Publication

EP 1994501 A1 20081126 (DE)

Application

EP 07723228 A 20070313

Priority

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Abstract (en)

[origin: WO2007104542A1] The aim of the invention is to create an image that is devoid of interference structures, using a fibre bundle (102) consisting of several optical fibres (106) and a sensor (102). To achieve this, imaging parameters, which describe the geometric characteristics of the intensity profile produced by each individual optical fibre (106) on the sensor (104) are made available for the system consisting of the fibre bundle (102) and sensor (104). During the reconstruction of the image, an amplitude value and/or luminosity information is/are produced for each individual optical fibre (106) by adapting a function of the amplitude value and the imaging parameter of the relevant optical fibre (106) to an intensity recording (300) of the sensor (104), to produce an optimal amplitude or luminosity value, taking into consideration the geometric imaging characteristics for each optical fibre (106).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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