

Title (en)

COMMON BILE DUCT SURGICAL IMAGING SYSTEM

Title (de)

CHIRURGISCHES BILDGEBUNGSSYSTEM ZUR DARSTELLUNG DES GROSSEN GALLENGANGS

Title (fr)

SYSTÈME D'IMAGERIE CHIRURGICALE DE CANAL CHOLÉDOQUE COMMUN

Publication

EP 2254456 A1 20101201 (EN)

Application

EP 09703731 A 20090122

Priority

- US 2009031712 W 20090122
- US 1148408 A 20080124
- US 1149008 A 20080124

Abstract (en)

[origin: WO2009094465A1] A method and apparatus for imaging features of a CBD in a patient introduces a fluorescent contrast agent into the CBD. A light source transmits both a visible light and a fluorescent light into a patient's abdominal cavity via the laparoscope. Cameras attached to or integrated into the laparoscope detect visible light images and fluorescent emission light images. The visible light image and fluorescent image signals are processed to combine the fluorescent emission light image signals and visible image signals into a single display signal. The system adjusts the display characteristics, such as color, of the fluorescent emission light image so it contrasts well with the visual light image so the surgeon can easily distinguish between the two images. The display signal is sent to a video monitor where the surgeon views the visible light image and the fluorescent image as a single overlaid image.

IPC 8 full level

A61B 1/313 (2006.01)

CPC (source: EP)

A61B 1/0005 (2013.01); **A61B 1/043** (2013.01); **A61B 1/0638** (2013.01); **A61B 1/3132** (2013.01); **A61B 5/0071** (2013.01); **A61B 1/063** (2013.01); **A61B 5/0084** (2013.01); **A61B 5/7425** (2013.01)

Citation (search report)

See references of WO 2009094465A1

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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