

Title (en)  
INGESTIBLE CAPSULE VIDEO TRANSMITTING FLUORESCENT IMAGES

Title (de)  
EINNEHMBARE KAPSEL ZUR VIDEOÜBERTRAGUNG FLUORESZIERENDER ABBILDUNGEN

Title (fr)  
IMAGES FLUORESCENTES DE TRANSMISSION VIDEO D'UNE CAPSULE INGESTIBLE

Publication  
**EP 1331881 A1 20030806 (EN)**

Application  
**EP 01981710 A 20011017**

Priority  
• US 0132420 W 20011017  
• US 70294100 A 20001030

Abstract (en)  
[origin: WO0236007A1] An improved and novel ingestible capsule (10) and method for determining medical information from within the alimentary canal of a human or an animal utilizing an ingestible capsule including a non-digestible outer shell (11). Housed within the outer shell are a lens (14), an illuminating LED (16), a filter (18), an imager (20), a transmitter (22), an antenna (24), and a miniature battery (26), the LED, and transmitter. An improved method for obtaining diagnostic medical information including the steps of ingesting (32) a fluorescent dye, such as an antibody-labeled fluorescent dye material, thereby tagging an area of interest, ingesting (34) a rinsing liquid to wash away non-specific fluorescent dye, and ingesting a capsule (36), characterized as illuminating and imaging the fluorescent tagged area of interest. Once images are received, a low frequency transmitter, powered by a miniature battery, sends (40) a video signal to outside the body to a receiver. The transmitted signal provides for images of the tagged area of interest.

IPC 1-7  
**A61B 5/07**

IPC 8 full level  
**A61B 5/07** (2006.01); **A61B 1/00** (2006.01); **A61B 1/05** (2006.01)

CPC (source: EP)  
**A61B 1/041** (2013.01)

Citation (search report)  
See references of WO 0236007A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**WO 0236007 A1 20020510**; AU 1333502 A 20020515; EP 1331881 A1 20030806; JP 2004522467 A 20040729

DOCDB simple family (application)  
**US 0132420 W 20011017**; AU 1333502 A 20011017; EP 01981710 A 20011017; JP 2002538823 A 20011017