

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

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Application
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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.

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