

Title (en)
ENDOSCOPIC CAPSULE

Title (de)
ENDOSKOPIEKAPSEL

Title (fr)
CAPSULE ENDOSCOPIQUE

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Application
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- DE 102009023038 A 20090528
- DE 102010006970 A 20100205

Abstract (en)
[origin: WO2010094652A1] The invention relates to an endoscopic capsule comprising a biocompatible housing (2) which houses at least one sensor device for acquiring medically relevant data. The endoscopic capsule is characterized in that a sensor (3) is arranged on the outer surface of the housing (2), the sensor (3) having a first electrode (4) which is produced of an acid-fast noble metal, and a second electrode (5) which is produced of silver. An electrical voltage can be applied between the first electrode (4) and the second electrode (5) and a change in an electric variable can be measured between the first electrode (4) and the second electrode (5) when ammonia is present. The endoscopic capsule according to the invention allows the screening of the gastric acid and of the tissue of the stomach lining for *Helicobacter pylori* in a manner that is gentle on the patient.

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A61B 1/07 (2006.01)

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Citation (search report)
See references of WO 2010094652A1

Citation (examination)

- DE 102005032378 A1 20070111 - SIEMENS AG [DE]
- SATOH W ET AL: "Highly Sophisticated Electrochemical Analysis System with an Integrated Microfluidic System Based on Electrowetting", SENSORS, 2006. 5TH IEEE CONFERENCE ON, IEEE, PI, 22 October 2006 (2006-10-22), pages 1004 - 1007, XP032024870, ISBN: 978-1-4244-0375-2, DOI: 10.1109/ICSENS.2007.355794

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