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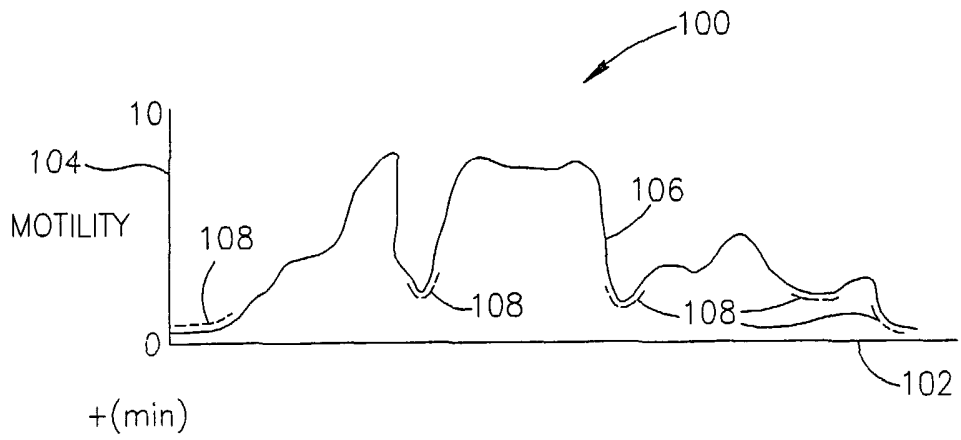
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(54) Title: MOTILITY ANALYSIS WITHIN A GASTROINTESTINAL TRACT



(57) Abstract: A system and method for measuring and analyzing motility within a body lumen such as the gastrointestinal (GI) tract, where an in vivo imaging device such as a capsule captures images and transmits the images to a processor, which calculates the motility of the device based on comparison of the images. Preferably, the processor compares the intensity of pairs of images or of elements of pairs of images, generates a variance for the compared images, and calculates the motility of the imaging device from the variances. The motility data may be presented to a user in various manners; for example, a plot of motility over time may be generated, or indications of low motility may be presented to the user of the system.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61B 1/00
US CL : 600/310, 407, 425, 587, 595

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 600/310, 407, 425, 587, 595

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,604,531 A (IDDAN et al) 18 February 1997 (18.02.1997), see entire document.	1-47

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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