

Title (en)

SYSTEM FOR NON-INVASIVELY MONITORING FLUID FLOW IN A SUBJECT

Title (de)

SYSTEM ZUR NICHTINVASIVEN ÜBERWACHUNG DER FLÜSSIGKEITSSTRÖMUNG IN EINER PERSON

Title (fr)

SYSTÈME PERMETTANT UNE SURVEILLANCE NON EFFRACTIVE DU FLUX D' UN FLUIDE DANS UN SUJET

Publication

**EP 2339957 A1 20110706 (EN)**

Application

**EP 09787456 A 20090706**

Priority

- IL 2009000675 W 20090706
- US 7841208 P 20080706
- US 7841008 P 20080706

Abstract (en)

[origin: WO2010004554A1] A monitoring system is presented for monitoring fluid flow in turbid medium. The fluid flow monitoring system comprises a processor utility which is connectable to an acoustic generator associated with one or more acoustic ports and is operable for generating signals S 0 to activate said one or more acoustic ports for irradiating a region of interest with acoustic radiation of a certain frequency range centered at a frequency F 0 and is connectable to at least one light output port associated with one or more light detectors for receiving light of at least one wavelength ? from the region of interest including light tagged by said acoustic radiation. In some embodiments, the processor utility is configured and operable for analyzing the generated signals S 0 and data indicative of the received light including light tagged by the corresponding acoustic radiation and determining correlation between said acoustic signals S 0 and said data indicative of the received light, said correlation being informative of a measure of fluid flow in the medium.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2010004554A1

Citation (examination)

WO 2008149342 A2 20081211 - OR NIM MEDICAL LTD [IL], et al

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