

Title (en)  
NONINVASIVE MONITORING OF INTRACRANIAL PRESSURE

Title (de)  
NONINVASIVE BEOBACHTUNG DES INTRAKRANIALEN DRUCKES

Title (fr)  
SURVEILLANCE NON INVASIVE DE LA PRESSION INTRACRANIENNE

Publication  
**EP 1182969 A2 20020306 (EN)**

Application  
**EP 00927617 A 20000509**

Priority

- IB 0000595 W 20000509
- US 30756899 A 19990510

Abstract (en)

[origin: WO0068647A2] A noninvasive method of monitoring the intracranial pressure (ICP) of a patient. At least one waveform representative of a pulsation of an anatomical feature of the patient's head is obtained, preferably by integrating ultrasound reflection traces in a time gate corresponding to reflections from the feature. The preferred anatomical feature is the third cerebral ventricle. A quantitative measure of ICP is inferred from two or more diagnostic features, such as diagnostic times, associated with the waveform. Alternatively, a qualitative measure of ICP is obtained from the shape of the respiratory wave imposed on the train of waveforms by the patient's breathing.

[origin: WO0068647A2] A noninvasive method of monitoring the intracranial pressure (ICE) of a patient. At least one waveform [22] representative of a pulsation of an anatomical feature of the patient's head is obtained, preferably by integrating ultrasound reflection traces in a time gate corresponding to reflections from the feature. The preferred anatomical feature is the third cerebral ventricle. A quantitative measure of ICE is inferred from two or more diagnostic features, such as diagnostic times, associated with the waveform [22]. Alternatively, a qualitative measure of ICE is obtained from the shape of the respiratory wave imposed on the train of waveforms by the patient's breathing.

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**A61B 8/00**

IPC 8 full level  
**G01L 7/00** (2006.01); **A61B 5/00** (2006.01); **A61B 5/03** (2006.01); **A61B 8/00** (2006.01); **A61B 8/08** (2006.01); **A61B 5/352** (2021.01)

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