

Title (en)
METHOD AND DEVICE FOR LONG-TERM MONITORING OF ARTERIAL VASCULAR STIFFNESS AND VASCULAR CALCIFICATION IN A PATIENT

Title (de)
VERFAHREN UND VORRICHTUNG ZUR LANGFRISTIGEN ÜBERWACHUNG DER ARTERIELLEN GEFÄßSTEIFIGKEIT UND GEFÄßKALZIFIKATION EINES PATIENTEN

Title (fr)
PROCÉDÉ ET DISPOSITIF POUR LA SURVEILLANCE À LONG TERME DE LA RIGIDITÉ ARTÉRIELLE ET DE LA CALCIFICATION DES VAISSEAUX SANGUINS D'UN PATIENT

Publication
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Application
EP 13718111 A 20130411

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• EP 2013001057 W 20130411

Abstract (en)
[origin: US2013274620A1] The present invention proposes a method and a device for long-term monitoring of the arterial vascular stiffness and vascular calcification on a particular patient, wherein a characteristic variable for the arterial vascular stiffness is determined exclusively from the shape and/or the characteristic of at least one pressure pulse wave caused by a cardiac contraction as a function of time and is stored as a time series for the particular patient. In particularly preferred embodiments, the characteristic variable is represented as a trend and serves the physician as a basis for long-term monitoring of the arterial vascular stiffness.

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A61B 5/02007 (2013.01 - EP US); **A61B 5/02125** (2013.01 - EP US); **A61B 5/02225** (2013.01 - EP US)

Citation (search report)
See references of WO 2013152854A1

Citation (examination)
BAULMANN JOHANNES ET AL: "A new oscillometric method for assessment of arterial stiffness: comparison with tonometric and piezo-electronic methods", JOURNAL OF HYPERTENSION, LIPPINCOTT WILLIAMS & WILKINS, LTD, GB, vol. 26, no. 3, 1 March 2008 (2008-03-01), pages 523 - 528, XP008115716, ISSN: 0263-6352, DOI: 10.1097/HJH.0B013E3282F314F7

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US11865243B2; US10525182B2; US10835658B2; US10835657B2; US10835659B2; US10869958B2; US10898635B2; US11406744B2; US11607482B2

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