

Title (en)

SENSOR FOR THE NON-INVASIVE AND CONTINUOUS MEASUREMENT OF THE ARTERIAL PULSE WAVE PASSAGE TIME

Title (de)

SENSOR ZUM NICHTINVASIVEN UND KONTINUIERLICHEN ERFASSEN DER ARTERIELLEN PULSWELLENLAUFZEIT

Title (fr)

DETECTEUR POUR DETECTION NON INVASIVE ET CONTINUE DE LA FREQUENCE DU POULS

Publication

EP 0859569 A1 19980826 (DE)

Application

EP 96945523 A 19961023

Priority

- DE 9602010 W 19961023
- DE 19542019 A 19951110

Abstract (en)

[origin: DE19542019C1] Disclosed is a sensor for the non-invasive and continuous measurement of the arterial pulse wave passage time, in which at least two piezo-electric pressure sensors (2) are spaced one behind the other along the longitudinal course (4) of the artery. The invention is characterised by the fact the piezo-electric pressure sensors (2) have a pressure-sensitive strip-shaped surface which in each case is aligned at right angles to the longitudinal course (4) of the artery and in that a housing (1) is provided and has at least two recesses which match the contours of the strip-shaped surfaces (5) and in which the pressure-sensitive strip-shaped surfaces (5) of the pressure sensors are arranged flush with the housing surface.

IPC 1-7

A61B 5/0285

IPC 8 full level

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CPC (source: EP US)

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