

Title (en)

METHOD FOR DETERMINATION OF A QUASI-CONTINUOUS BLOOD PRESSURE CHANGE IN A PULSATILE BLOOD STREAM

Title (de)

VERFAHREN ZUM ERMITTELN EINER QUASIKONTINUIERLICHEN BLUTDRUCKÄNDERUNG IN EINER PULSATILEN BLUTBAHN

Title (fr)

PROCÉDÉ POUR DÉTERMINER UNE MODIFICATION QUASI CONTINUE DE LA PRESSION SANGUINE DANS UN FLUX SANGUIN PULSATILE

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Application

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Abstract (en)

[origin: WO2009013287A1] The invention relates to a method for quasi-continuous determination of the blood pressure in a blood stream, wherein a time profile of a volume pulse of the blood in a blood stream is first measured. Thereafter, the first derivation is formed over the time of the measured volume pulse profile. From this derivation of the volume pulse profile, the profile of a transverse speed of change of the cross section of the blood stream is determined. By calibration of the transverse speed of change of the cross section of the blood stream on the basis of conventionally determined blood pressure values, it is possible subsequently to derive a quasi-continuous profile of the blood pressure value from the volume pulse.

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