

Title (en)

MEASUREMENT OF A PATIENT ANALYTE USING WAVELET TRANSFORM ANALYSIS

Title (de)

MESSUNG EINES ANALYTEN EINES PATIENTEN MITTELS WAVELET-TRANSFORMATIONSANALYSE

Title (fr)

MESURE D'ANALYTE DE PATIENT À L'AIDE D'ANALYSE DE TRANSFORMÉE EN ONDELETTES

Publication

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Application

EP 14898849 A 20140801

Priority

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Abstract (en)

[origin: WO2016018432A1] The measurement of a patient analyte using wavelet transform analysis is disclosed. Embodiments of the present invention can provide precise identification of erroneous analyte sensor signals and validate good signals. A wavelet transform is applied to a sensor signal to produce a time-scale representation of the sensor signal. In some embodiments a Haar wavelet is used for the transform and energy measurements are derived from the time-scale representation. The time-scale representation of the sensor signal can then be compared to a known sensor signal representation. Embodiments like those disclosed herein are useful in blood glucose monitoring systems in which an analyte sensor signal comprises a blood draw portion and a blood clear portion.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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CN116942151A

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