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(54) Title: INFLAMMATORY RESPONSE INDICATOR

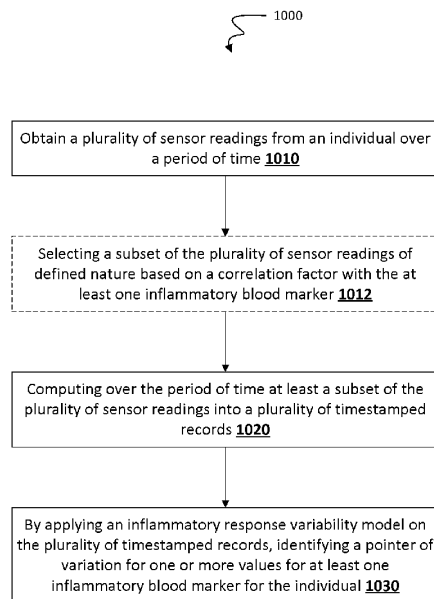


Figure 1

(57) Abstract: A device, system and method for detecting an inflammatory response modification. A plurality of sensor readings are obtained from an individual over a period of time. Over the period of time, at least a subset of the plurality of sensor readings are computed into a plurality of timestamped records. Applying an inflammatory response variability model on the plurality of timestamped records, an indicator of variation is identified for one or more values for at least one inflammatory biomarker for the individual. A deterioration in a medical condition of the individual may be predicted from the indicator when the inflammatory response variability model indicates a valid increase of the one or more values. An improvement may be predicted from the indicator when the inflammatory response variability model indicates a valid decrease of the one or more values.

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