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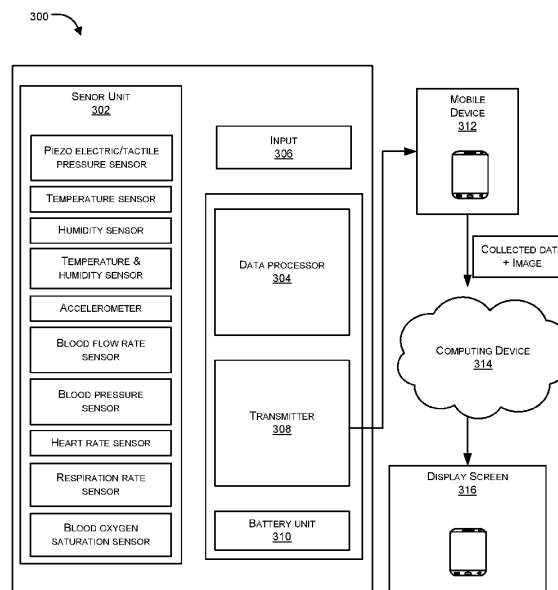


FIG. 3

(57) Abstract: The present disclosure provides a device and a system for evaluating parameters pertaining to health of an area of interest on a patient. The device includes one or more sensors adapted to measure one or more parameters at the area of interest; and a processor configured to: receive the measured parameters; receive a dataset of patient attributes; and determine, using a learning engine, a threshold value for each of the parameters based on analysis of previous instances corresponding values of the parameters and the dataset of patient attributes. The processor is configured to predict occurrence of a pressure ulcer at the area of interest when the value of at least one primary parameter exceeds a corresponding threshold value, for at least a predetermined duration of time. The one or more sensors can be an image capture device, a pressure sensor, a temperature sensor, a humidity sensor, etc.

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