

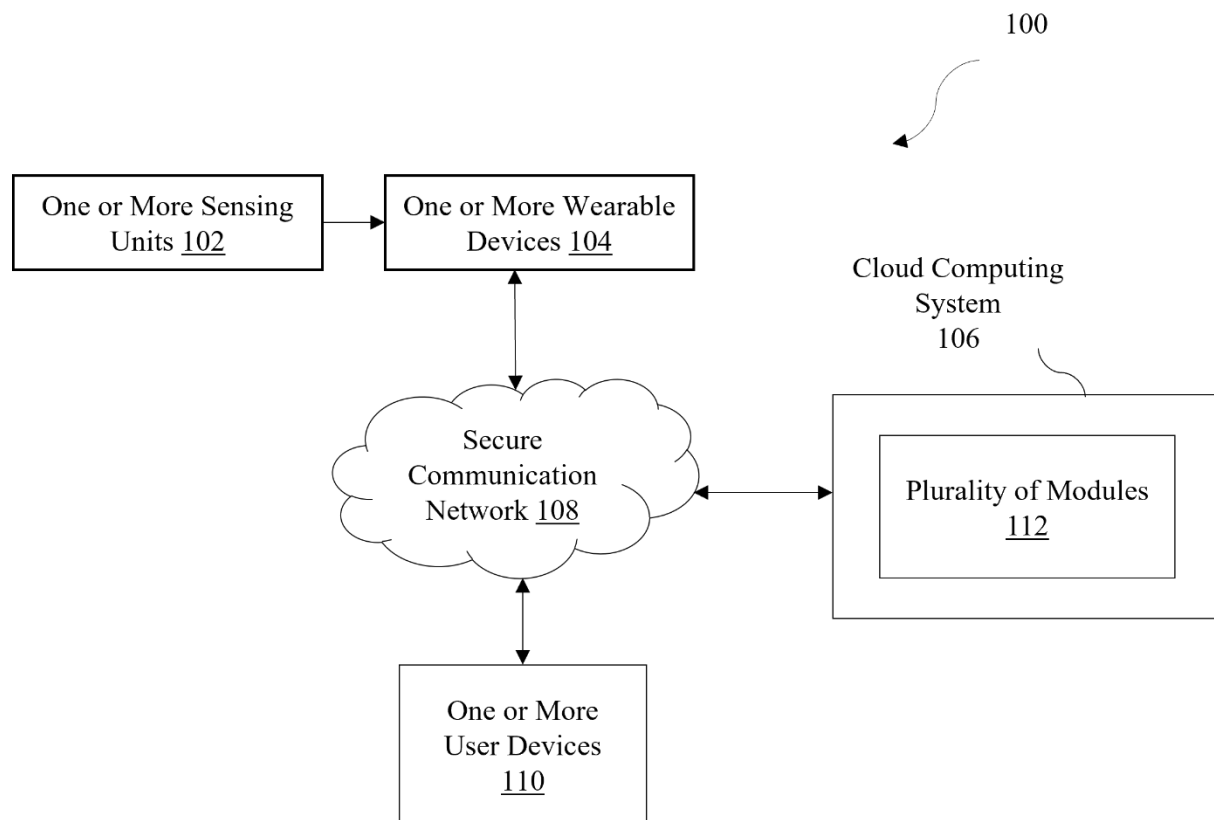


FIG. 1

Cloud Computing
System 106

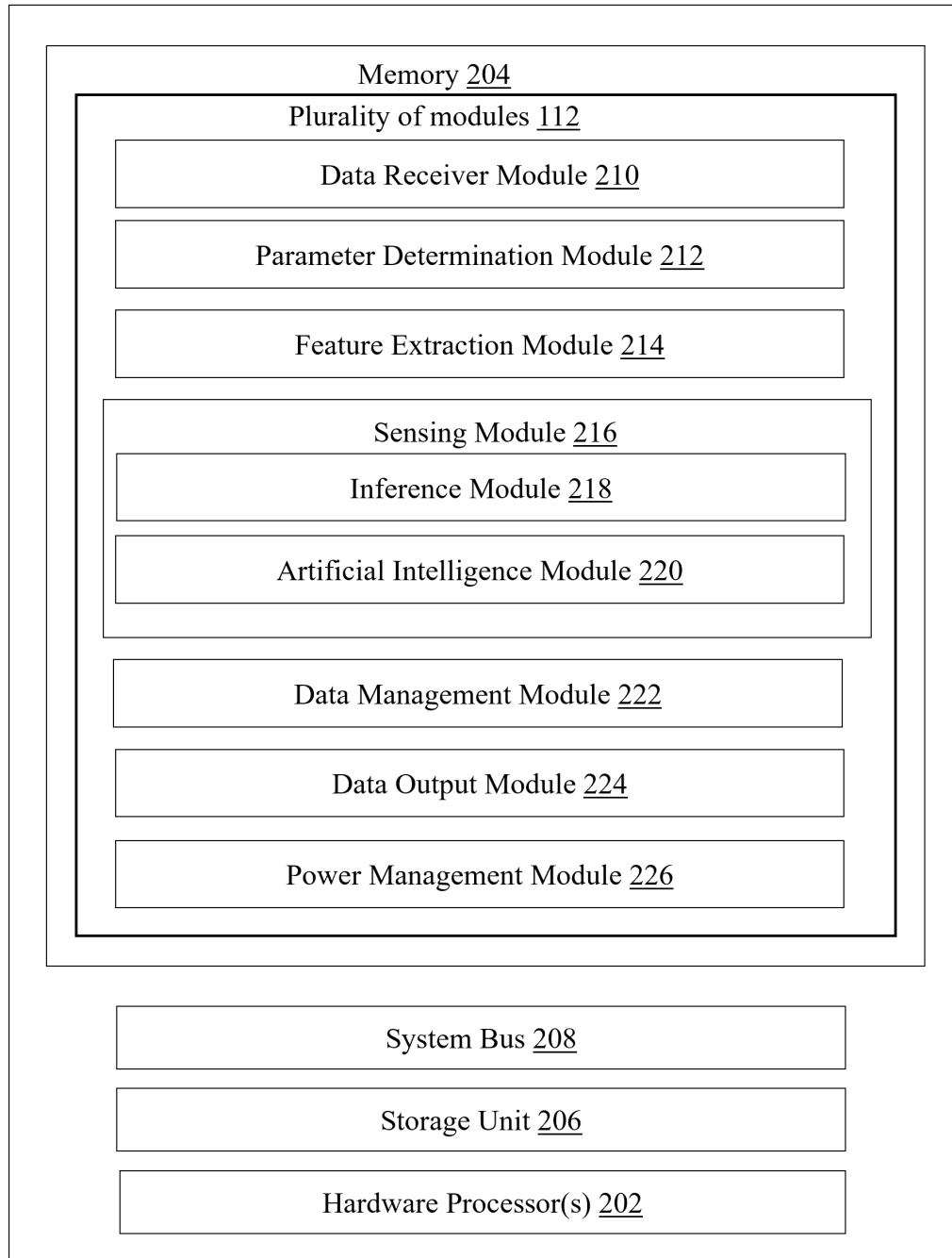


FIG. 2

Exemplary Raw Data Structure: Continuous Recording

Ch.1	Timestamp	NIRS	Timestamp	NIRS	...
Ch.2	Timestamp	ACC, GYR	Timestamp	ACC, GYR	
Ch.3	Timestamp	MAG	Timestamp	MAG	
Ch.4	Timestamp	TEMP	Timestamp	TEMP	
Ch.5	Timestamp	4W Impedance	Timestamp	4W Impedance	
Ch.6	Timestamp	2W Impedance	Timestamp	2W Impedance	

6 sensor channels shown exemplarily over time. Each sensor channel may or may not have an individual sampling rate with may or may not be constant over time.

FIG. 3A

Exemplary Raw Data Structure: Burst

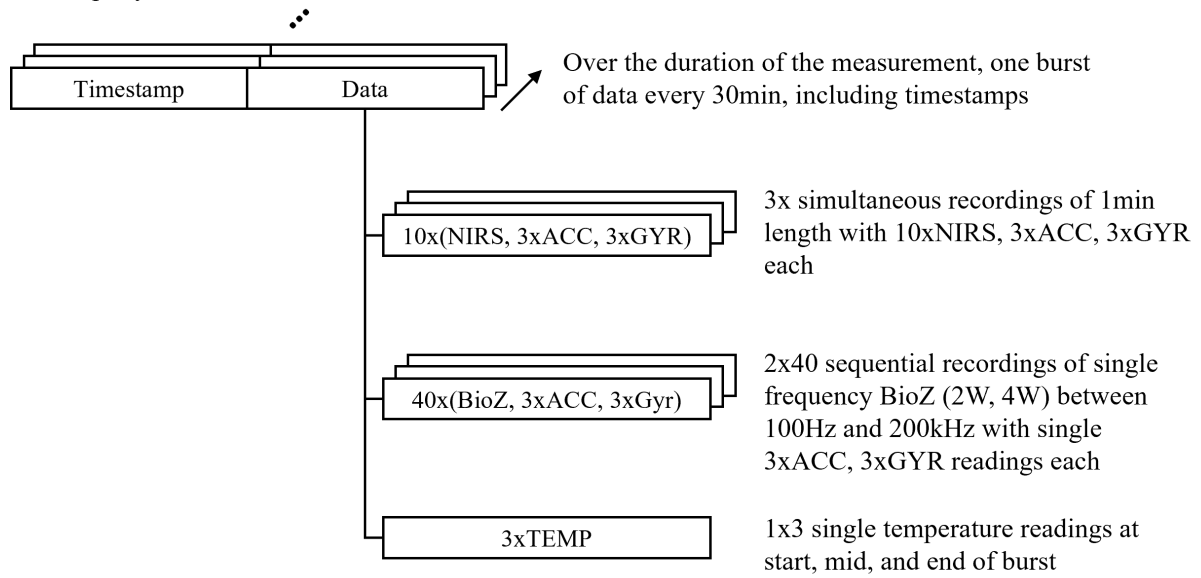


FIG. 3B

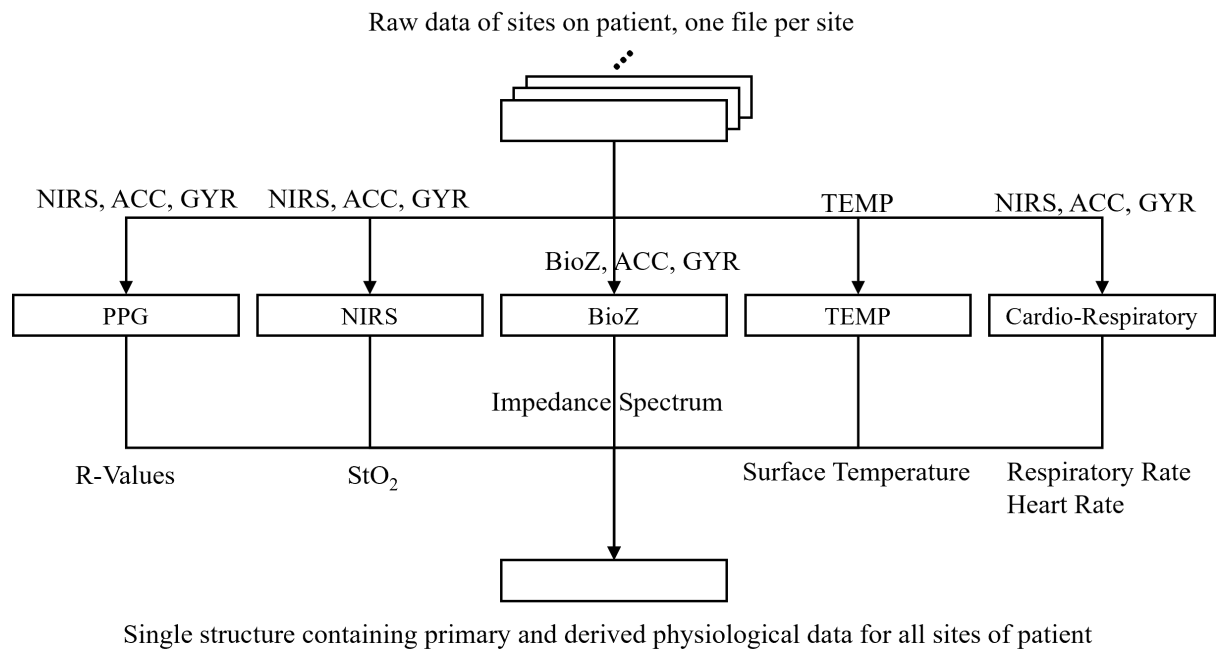


FIG. 3C

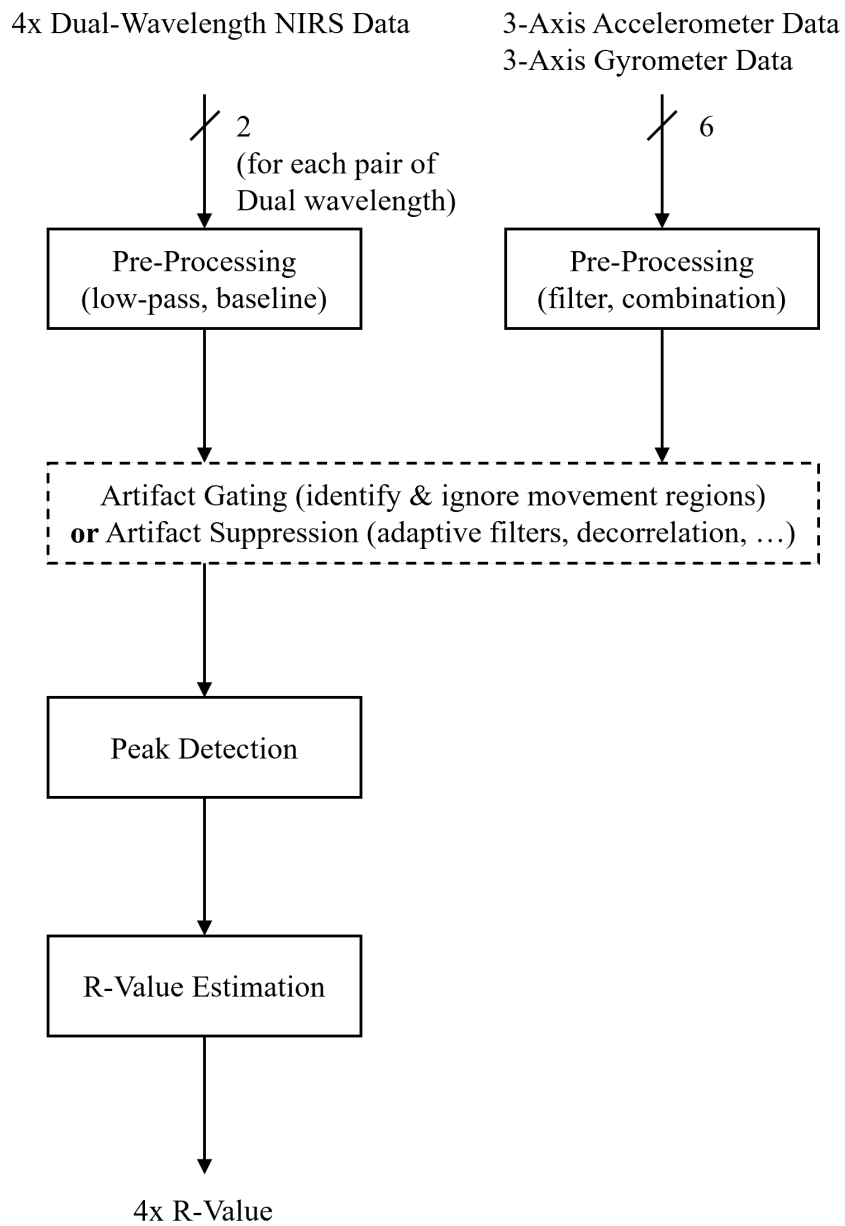


FIG. 3D

4x Dual-Wavelength NIRS Data

3-Axis Accelerometer Data
3-Axis Gyrometer Data

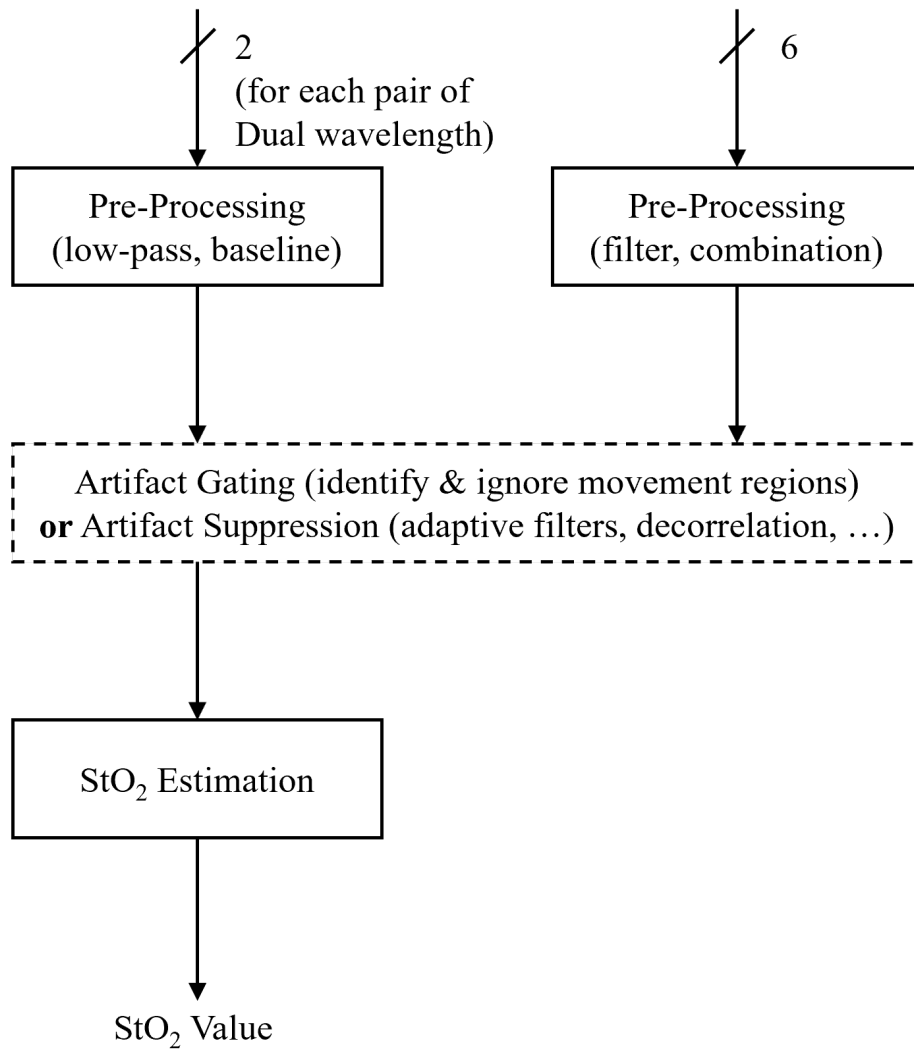


FIG. 3E

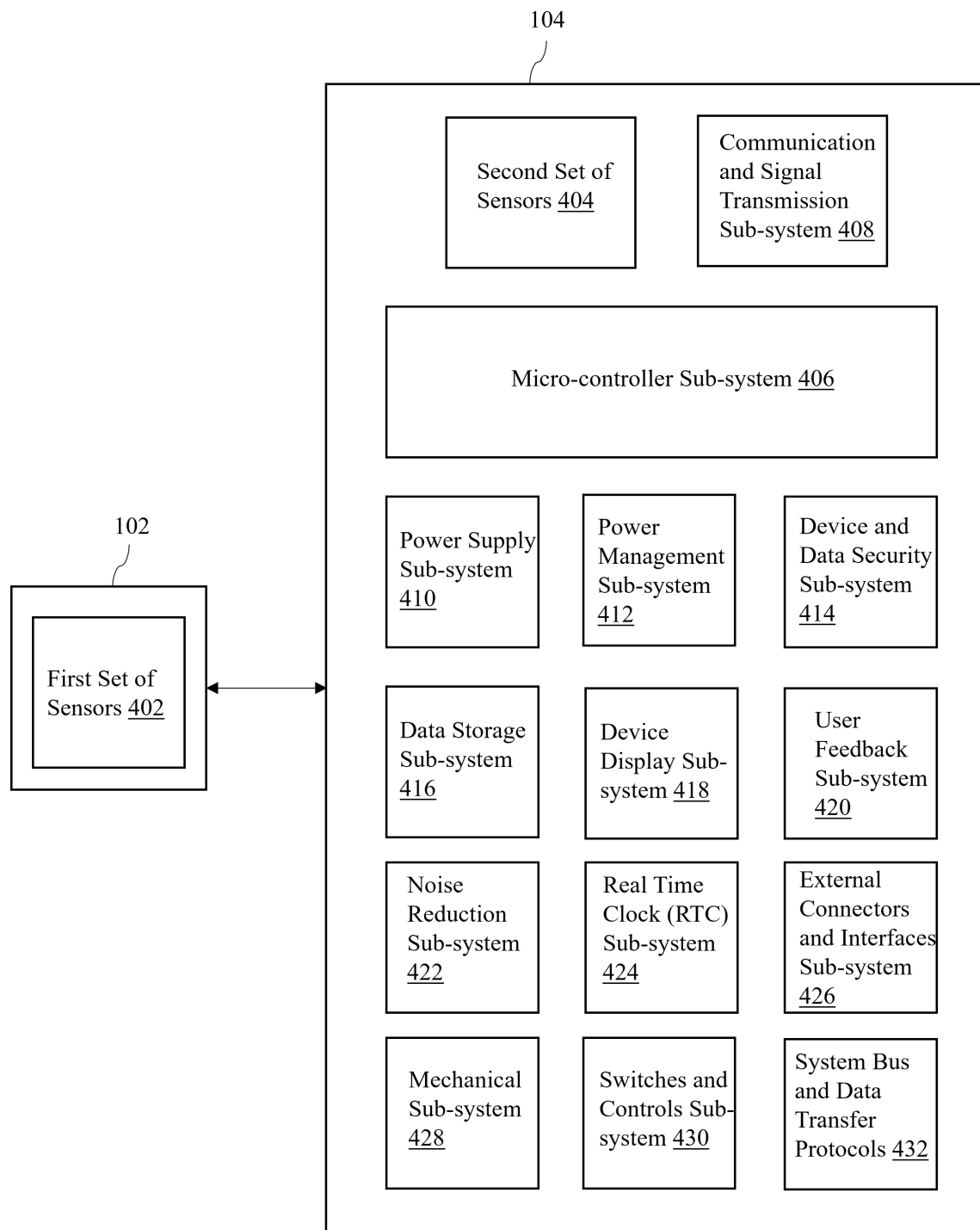


FIG. 4

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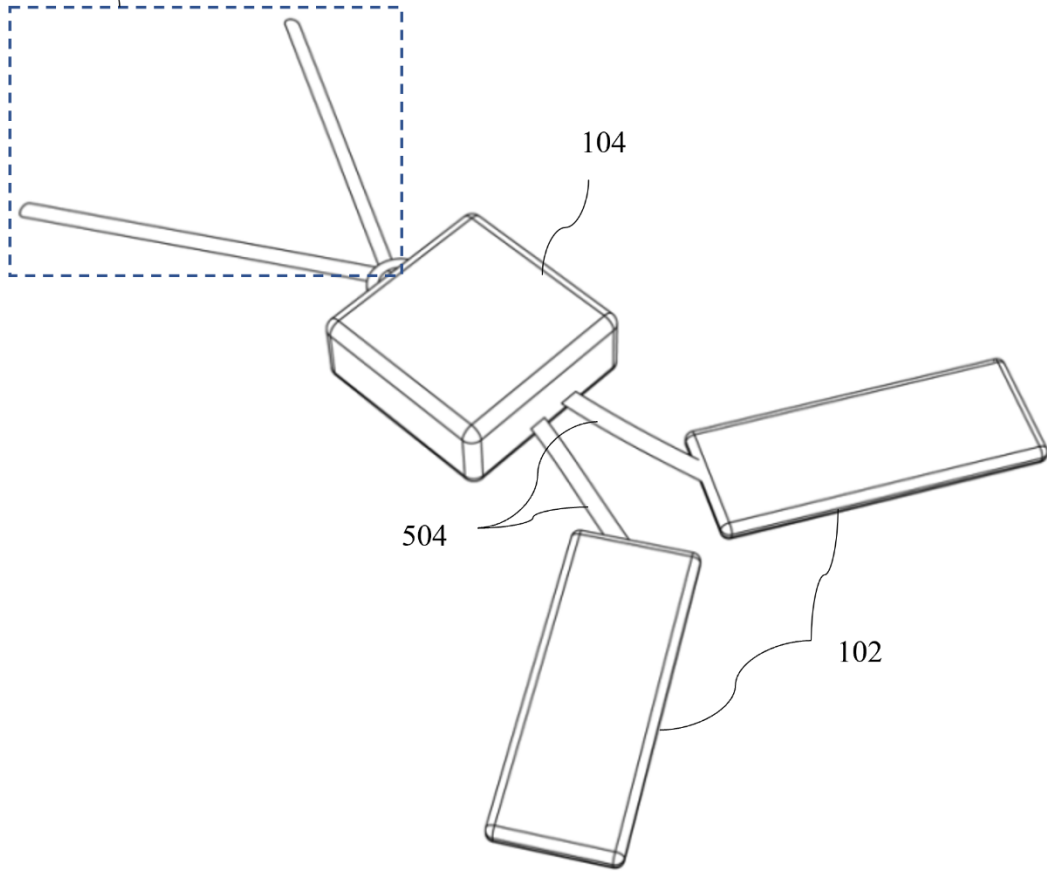


FIG. 5A

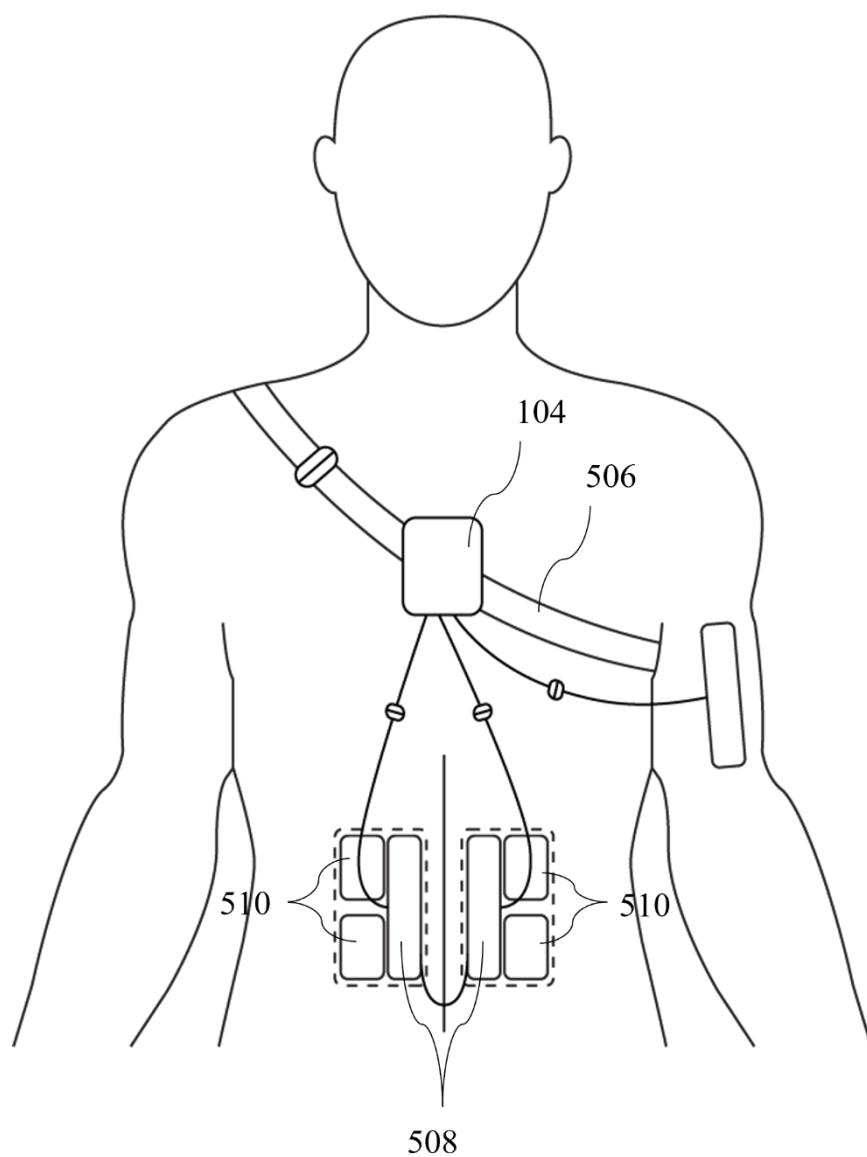


FIG. 5B

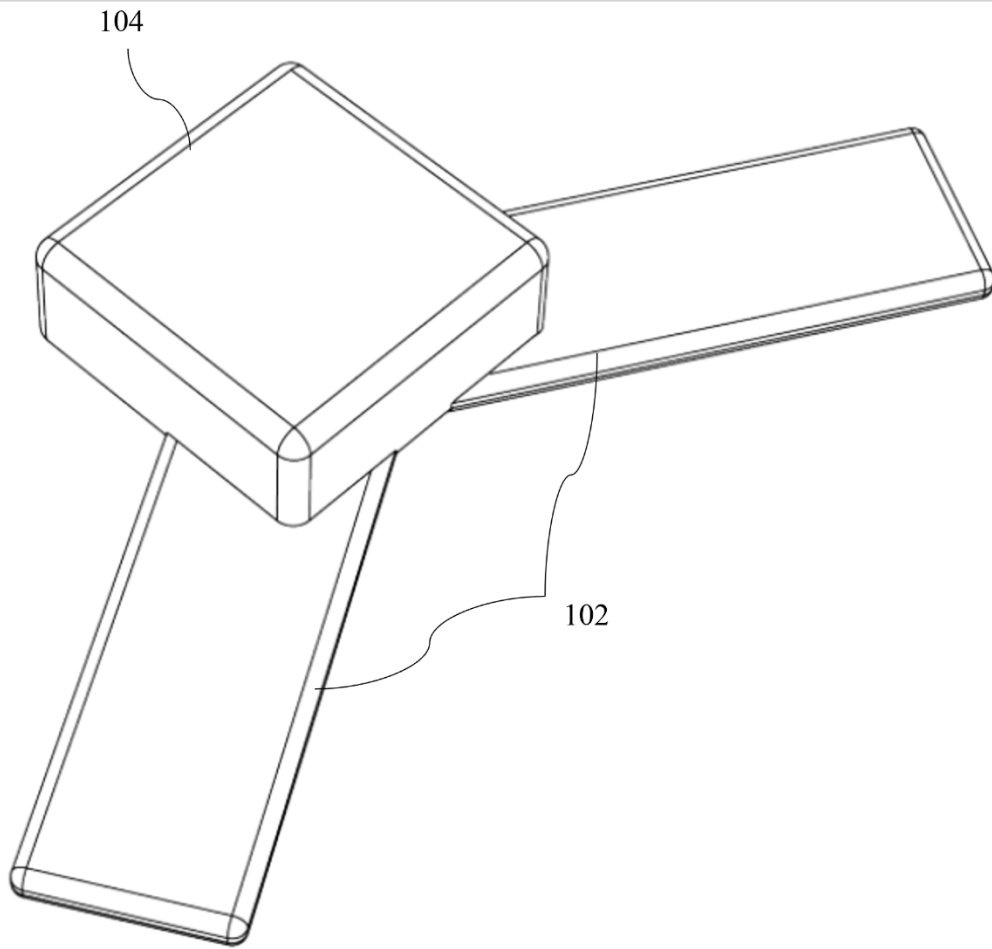


FIG. 5C

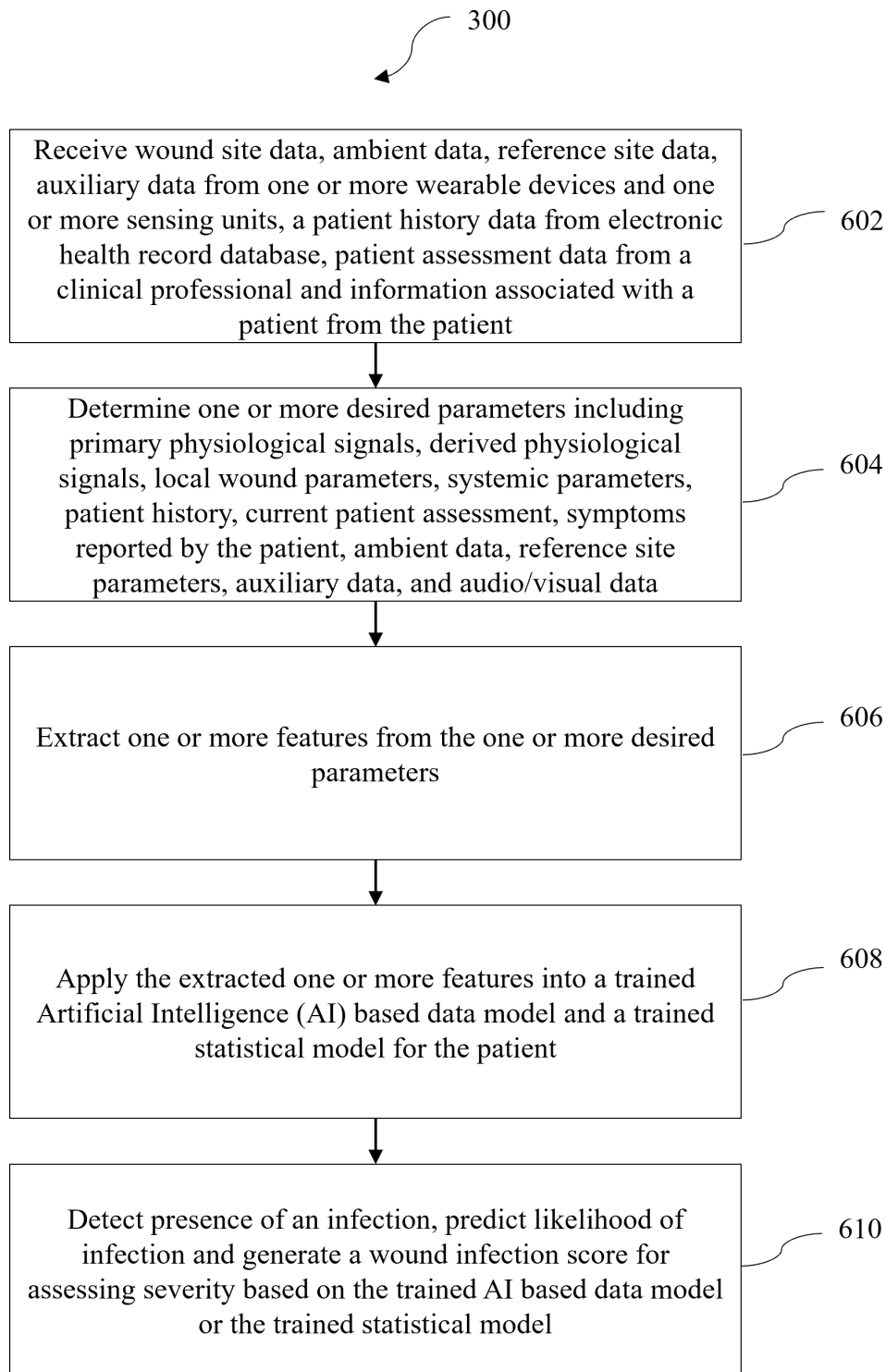


FIG. 6

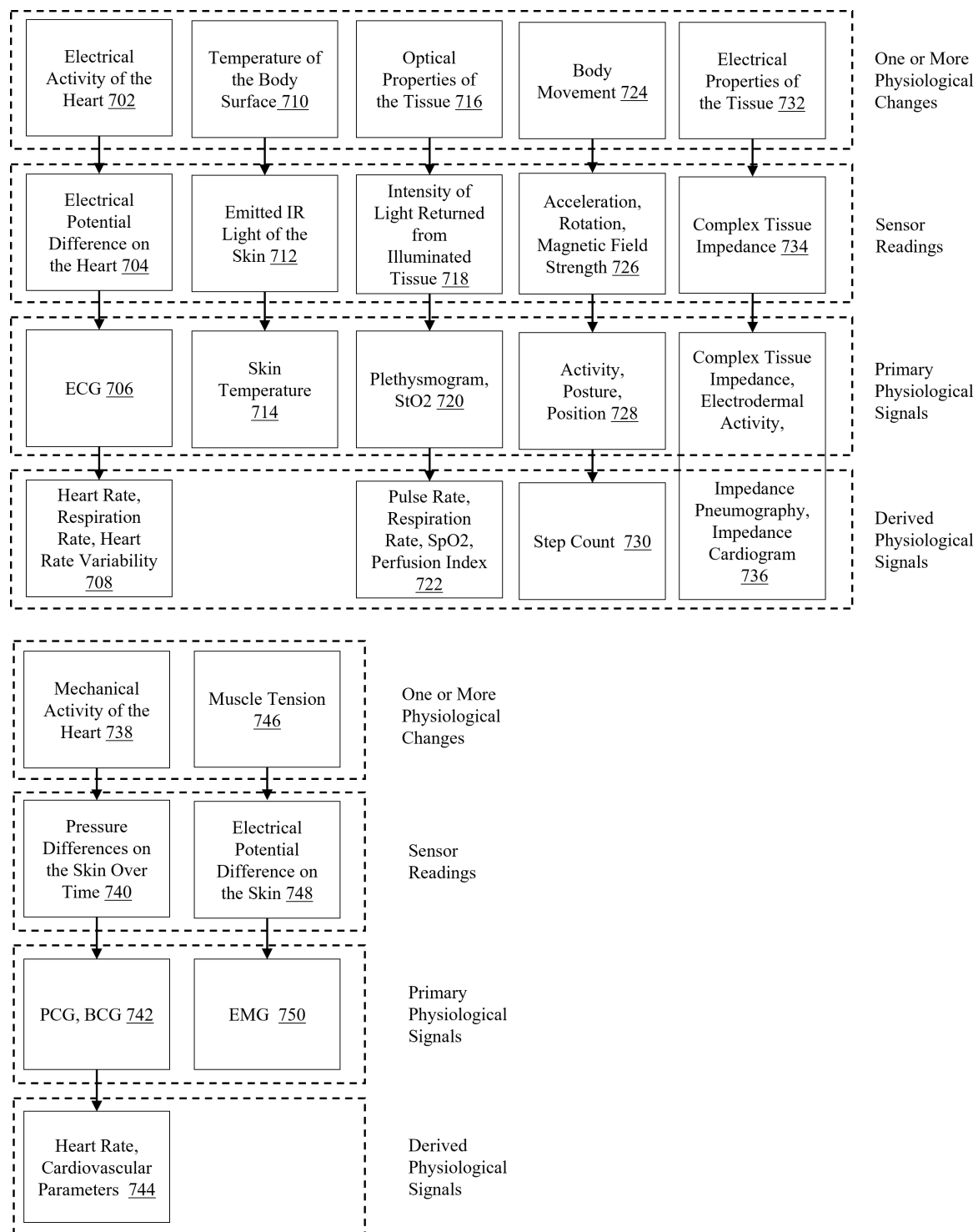


FIG. 7

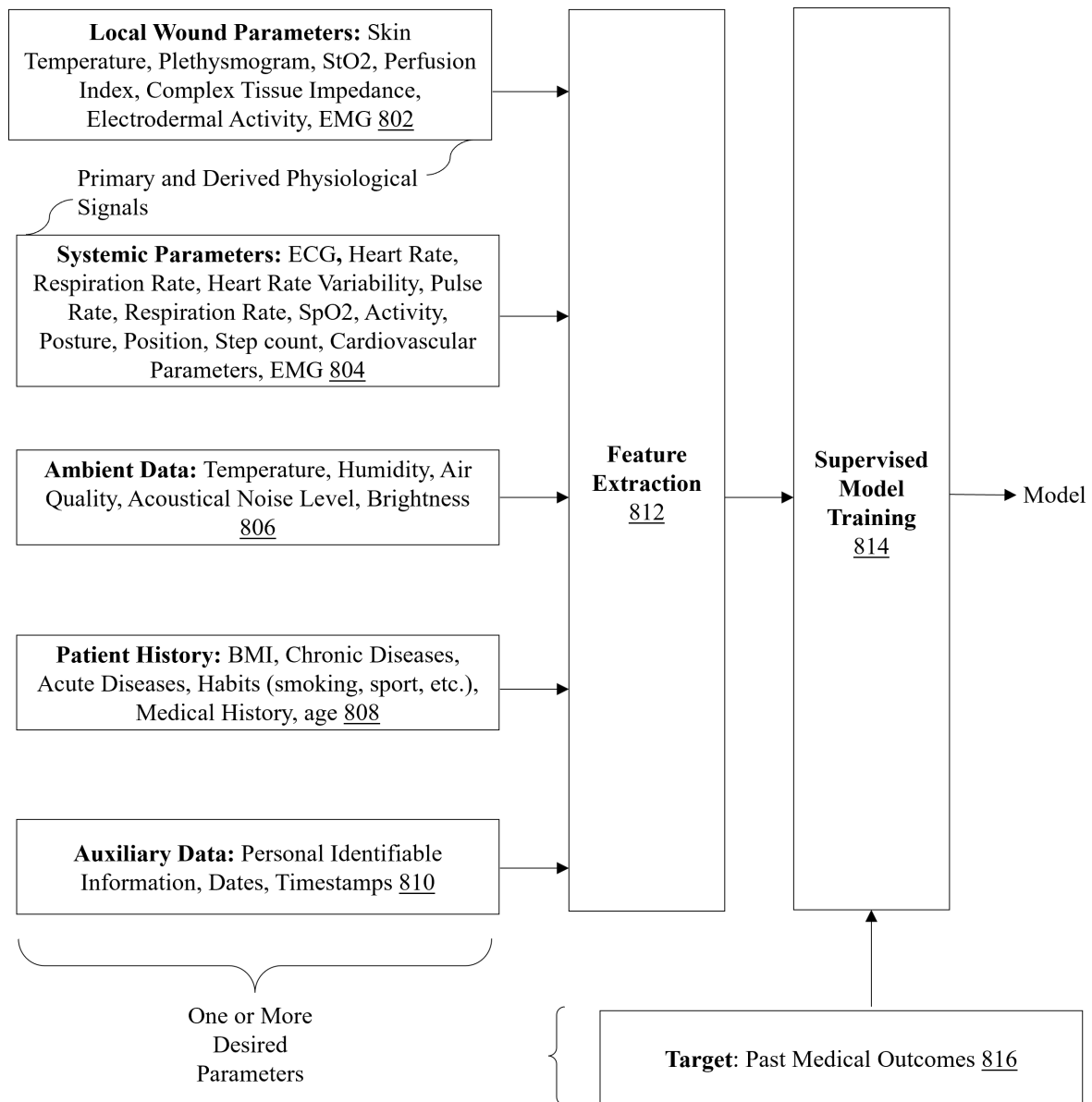


FIG. 8

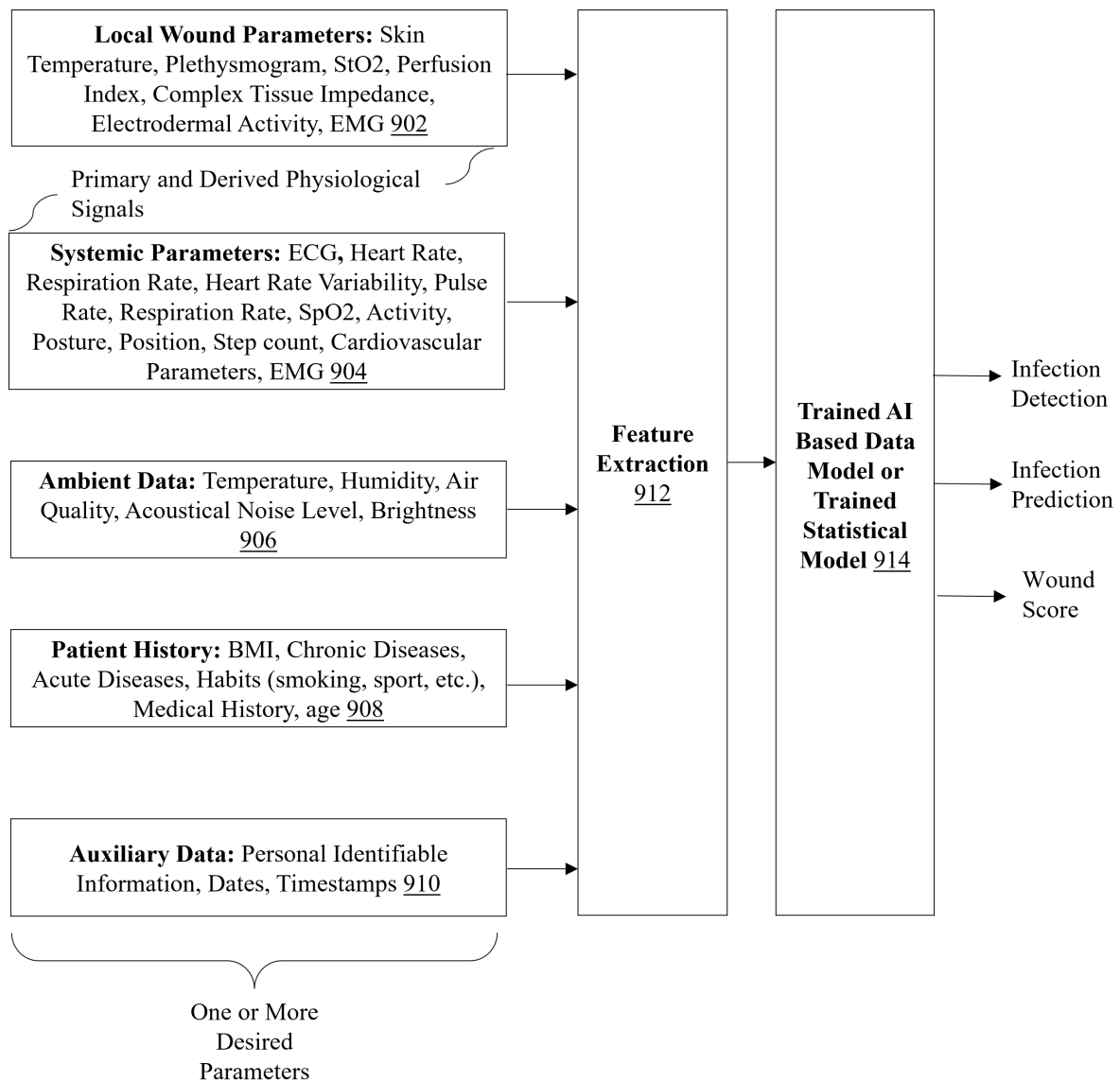


FIG. 9

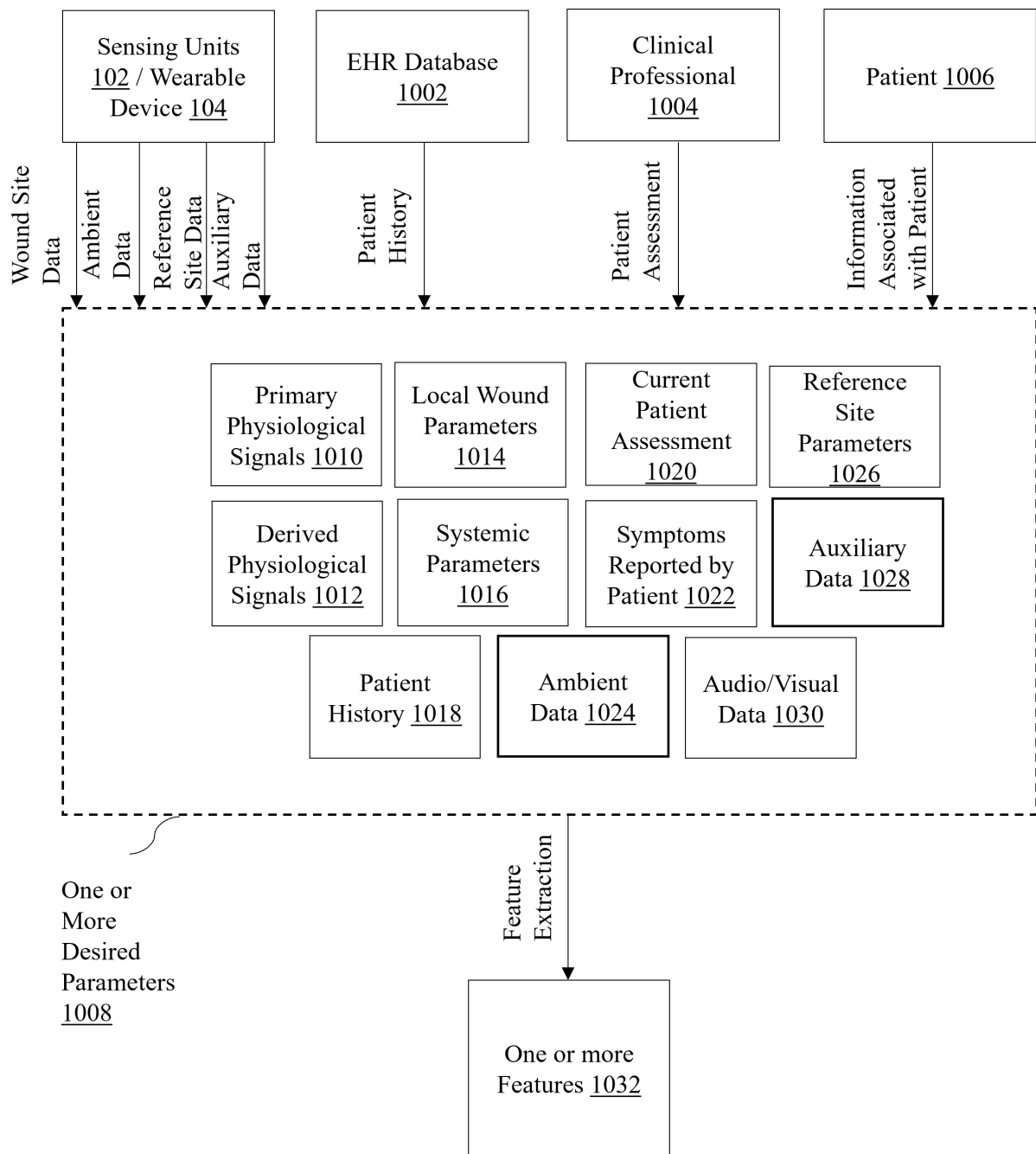


FIG. 10