

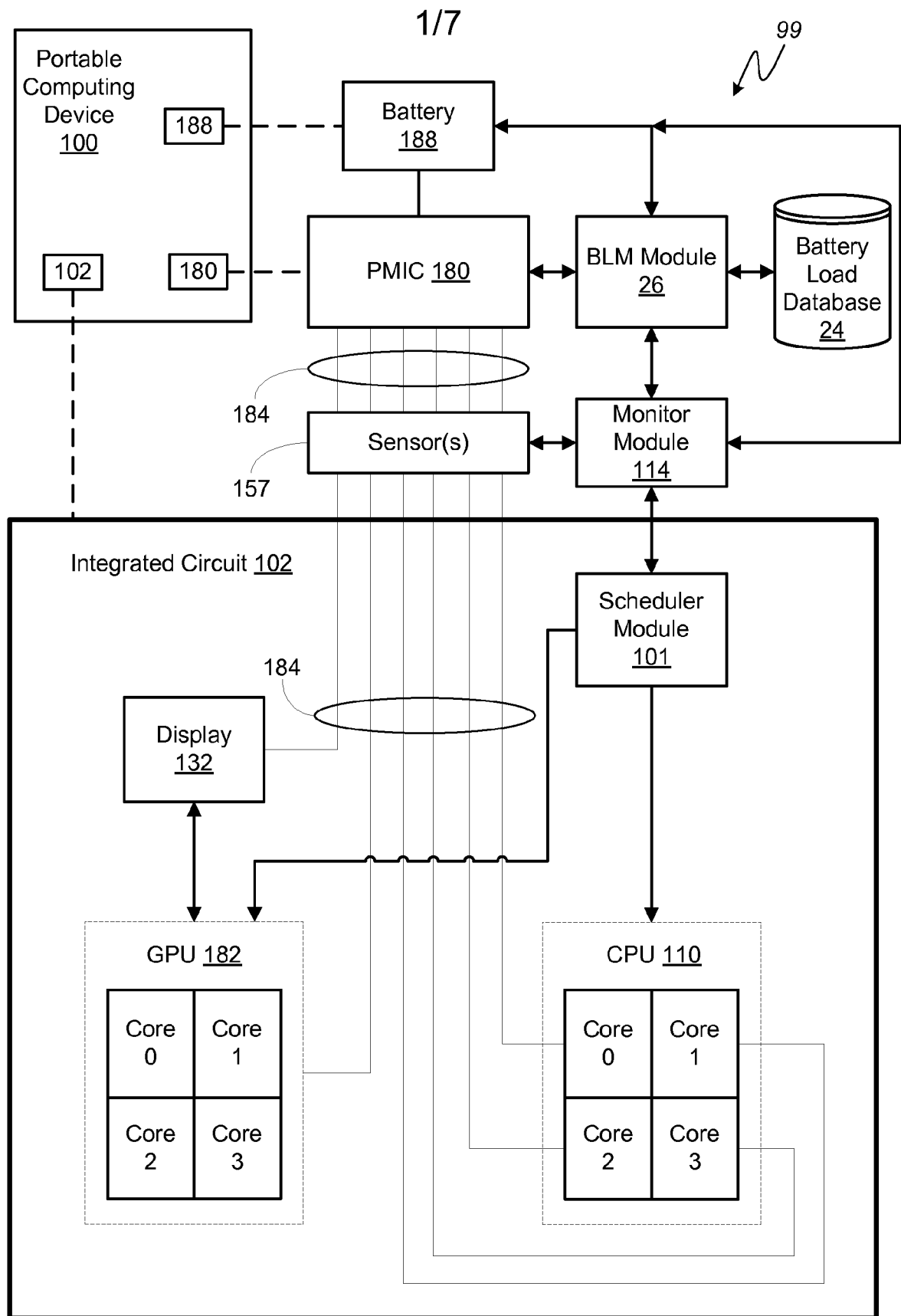


FIG. 1

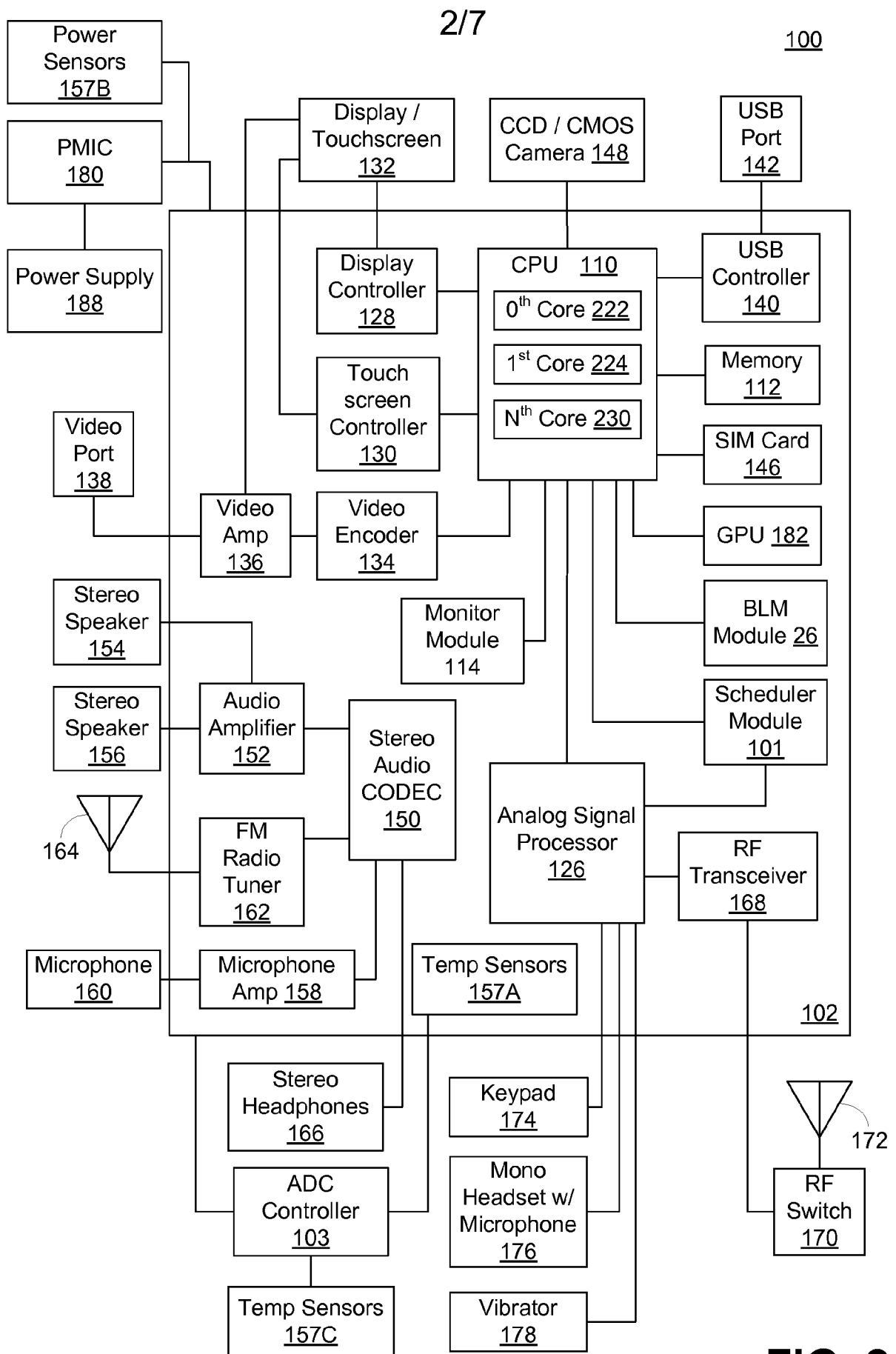
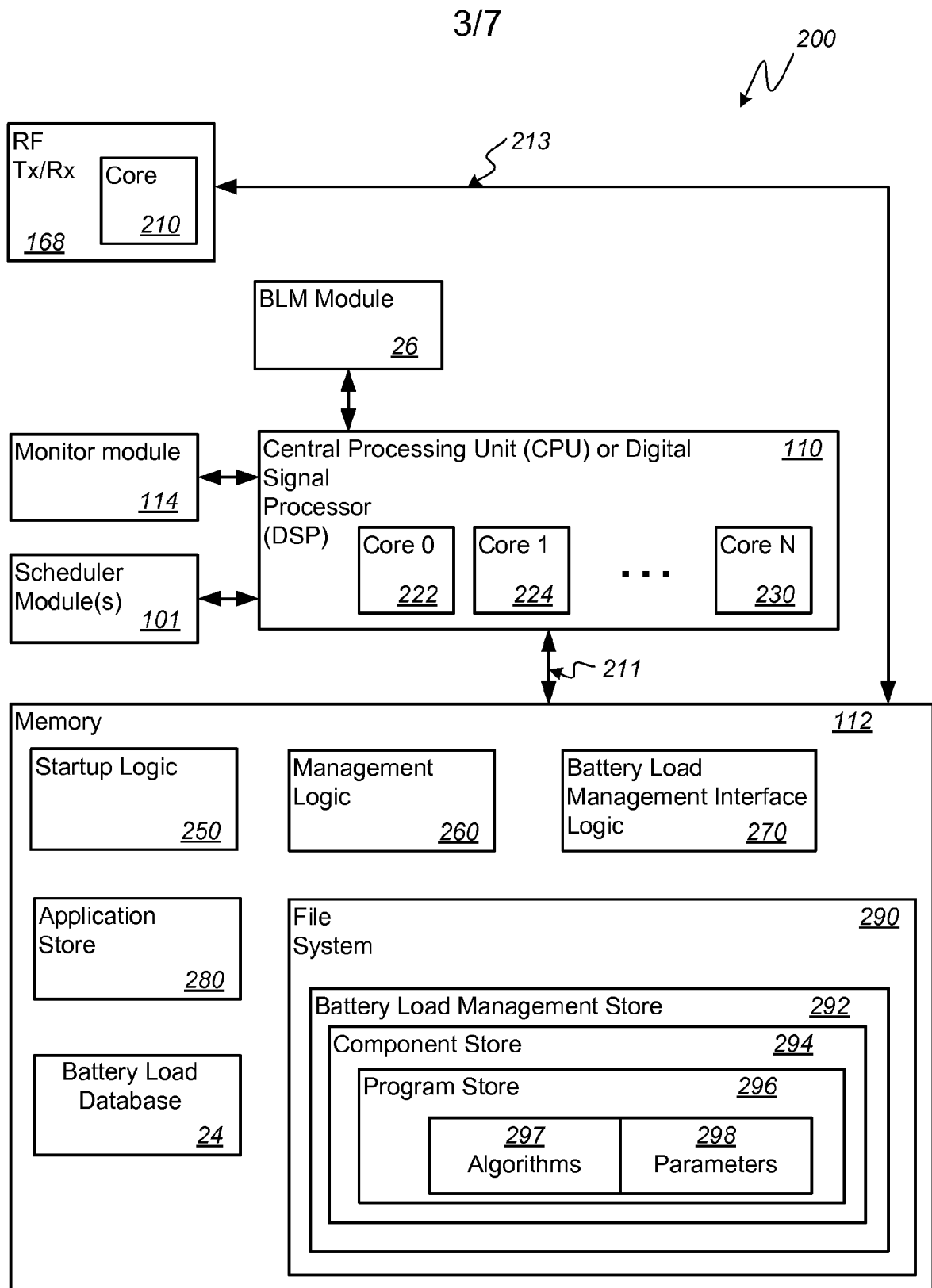


FIG. 2

**FIG. 3**

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300

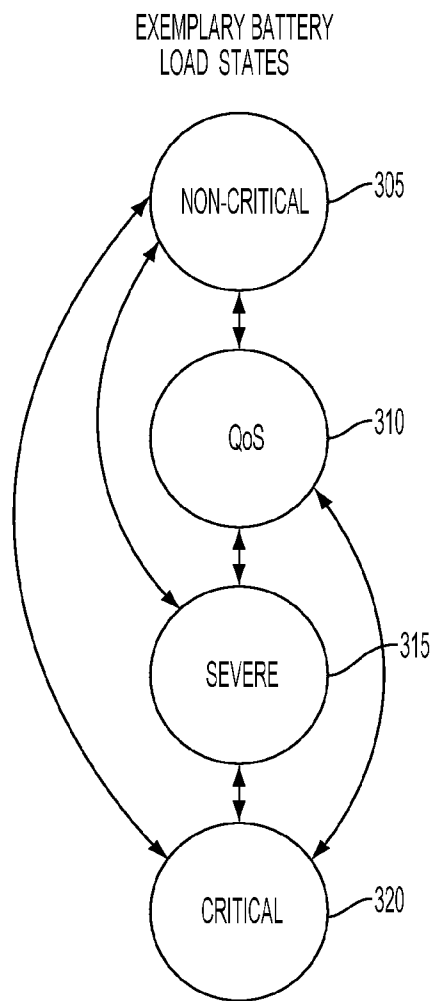


FIG. 4

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400

NON-CRITICAL BATTERY LOAD STATE

305

- BATTERY STATE OF HEALTH, VOLTAGE LEVEL, ENERGY DISCHARGE RATE, ETC. INDICATES AVAILABLE BATTERY LOAD CAPACITY
- ALLOW CALL FOR ADDITIONAL RESOURCE(S)

QUALITY OF SERVICE (QoS) LOAD STATE

310

- BATTERY STATE OF HEALTH, VOLTAGE LEVEL, ENERGY DISCHARGE RATE, ETC. INDICATES LIMITED AVAILABILITY OF BATTERY LOAD CAPACITY
- MODIFY ACTIVE LOADS TO MAINTAIN HIGHEST PERFORMANCE AND LITTLE OR NO PERCEPTION IN QUALITY OF SERVICE TO OPERATOR OF DEVICE
- ALLOW CALL FOR ADDITIONAL RESOURCE(S)

SEVERE LOAD STATE

315

- BATTERY STATE OF HEALTH, VOLTAGE LEVEL, ENERGY DISCHARGE RATE, ETC. INDICATES BATTERY LOAD CAPACITY NEARING CRITICAL LEVELS
- MODIFY ACTIVE LOADS TO MITIGATE RATE OF ENERGY CONSUMPTION WITH PROBABLE PERCEIVABLE DEGRADATION OF PERFORMANCE BY OPERATOR OF DEVICE
- ENERGY CONSUMPTION MITIGATION MEASURES MAY INCLUDE SIGNIFICANTLY REDUCED POWER TO COMPONENT(S) AND/OR EXTENSIVE REALLOCATION OF PROCESSING LOADS
- DENY CALL FOR ADDITIONAL RESOURCE(S)

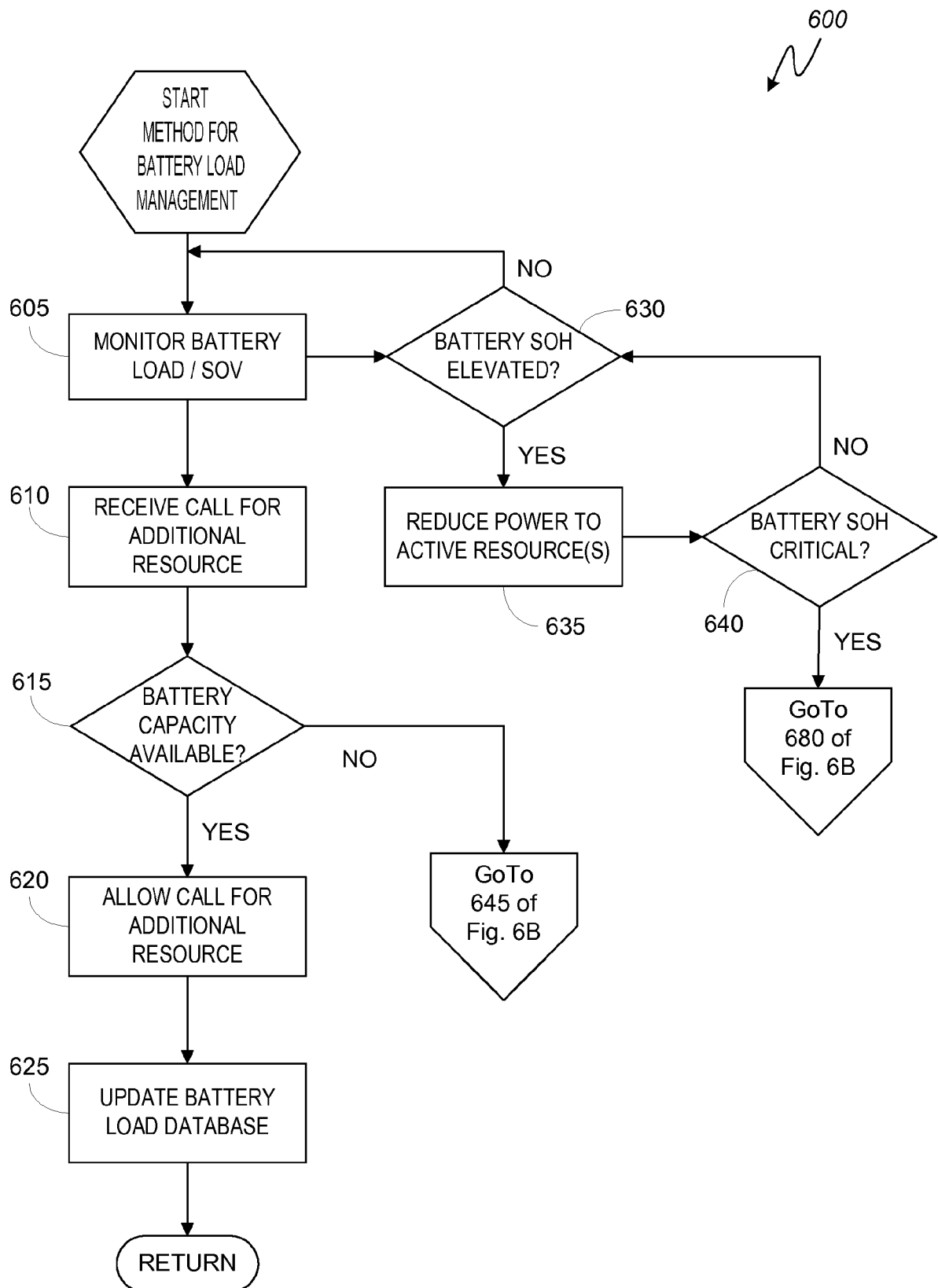
CRITICAL LOAD STATE

320

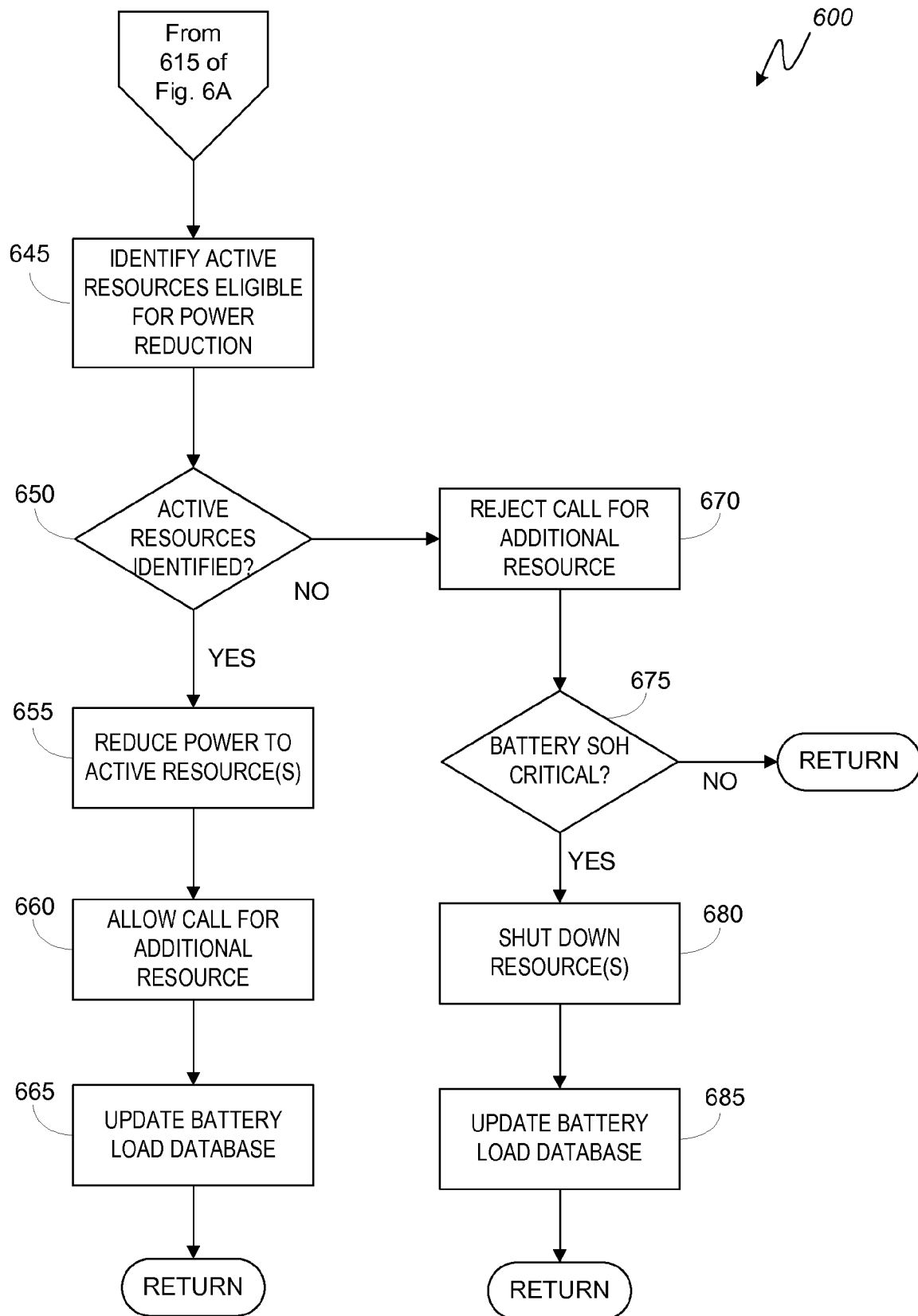
- BATTERY STATE OF HEALTH, VOLTAGE LEVEL, ENERGY DISCHARGE RATE, ETC. INDICATES BATTERY FAILURE IS IMMINENT
- SHUT DOWN PROCESSING COMPONENT(S)
- DENY CALL FOR ADDITIONAL RESOURCE(S)

FIG. 5

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**FIG.
6A**

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**FIG.
6B**