## ABSTRACT OF THE DISCLOSURE

### VERY LOW VOLTAGE POWER DISTRIBUTION FOR MOBILE DEVICES

A mobile computing device comprises a central processing unit (CPU), memory that communicates with said CPU, an interface that communicates with said memory and said CPU and a display that communicates with said interface. A first distributed load center has first and second load terminals and includes at least a first distributed load. A second distributed load center has first and second load terminals and includes at least a second distributed load. A first distributed power source includes a first battery that is directly connected and primarily supplies power to the first and second load terminals of the first distributed load center. A second distributed power source includes a second battery that is directly connected and primarily supplies power to the first and second load terminals of the second distributed load center.

FIG. 3A




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