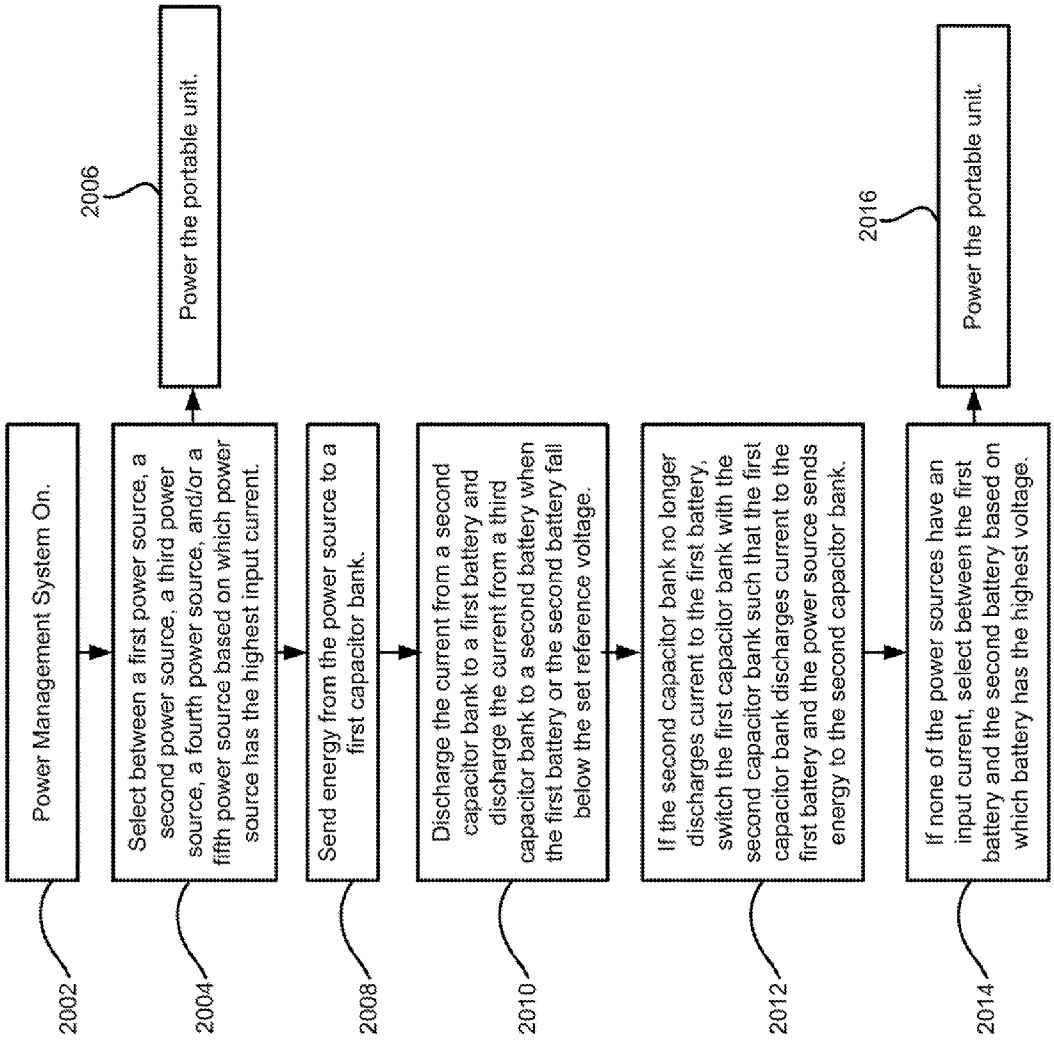
2002
Power Management System On.
2004
Select between a first power source, a second power source, a third power source, a fourth power source, and/or a fifth power source based on which power source has the highest input current.
2006
Power the portable unit.
2008
Send energy from the power source to a first capacitor bank.
2010
Discharge the current from a second capacitor bank to a first battery and discharge the current from a third capacitor bank to a second battery when the first battery or the second battery fall below the set reference voltage.
2012
If the second capacitor bank no longer discharges current to the first battery, switch the first capacitor bank with the second capacitor bank such that the first capacitor bank discharges current to the first battery and the power source sends energy to the second capacitor bank.
2014
If none of the power sources have an input current, select between the first battery and the second battery based on which battery has the highest voltage.
2016
Power the portable unit.

FIG. 2a