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(54) METHOD AND APPARATUS WITH BATTERY PARAMETER OPTIMIZATION FOR TARGET BATTERY

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(57) **ABSTRACT**

A method of determining an optimized value set of parameters for a target operation of a battery includes: setting a first value set of the respective parameters as a default value set; acquiring a first performance indicator by performing a simulation of the target operation according to the first value set; generating candidate second value sets having at least one value in the first value set changed; acquiring second performance indicators respectively corresponding to the candidate second value sets by performing simulations of the target operation according to the respective candidate second value sets; selecting one of the candidate second value sets as a second value set based on the second performance indicators; determining that the second performance indicator corresponding to the second value set satisfies a performance condition of the battery, and in response using the second value set as the optimized value set of the parameters.