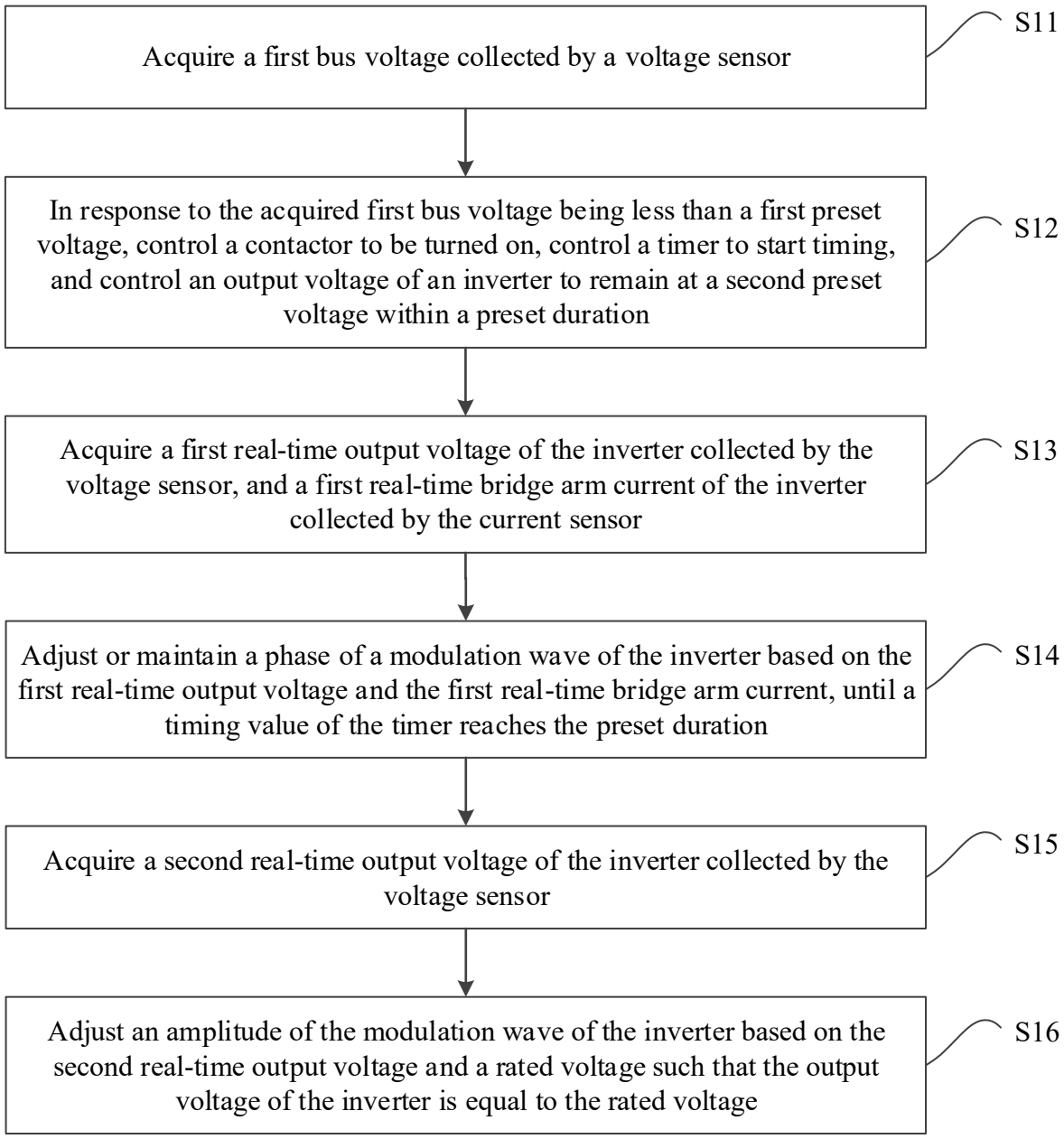

Acquire a first bus voltage collected by a voltage sensor
S11
In response to the acquired first bus voltage being less than a first preset voltage, control a contactor to be turned on, control a timer to start timing, and control an output voltage of an inverter to remain at a second preset voltage within a preset duration
S12
Acquire a first real-time output voltage of the inverter collected by the voltage sensor, and a first real-time bridge arm current of the inverter collected by the current sensor
S13
Adjust or maintain a phase of a modulation wave of the inverter based on the first real-time output voltage and the first real-time bridge arm current, until a timing value of the timer reaches the preset duration
S14
Acquire a second real-time output voltage of the inverter collected by the voltage sensor
S15
Adjust an amplitude of the modulation wave of the inverter based on the second real-time output voltage and a rated voltage such that the output voltage of the inverter is equal to the rated voltage
S16

**FIG. 1**

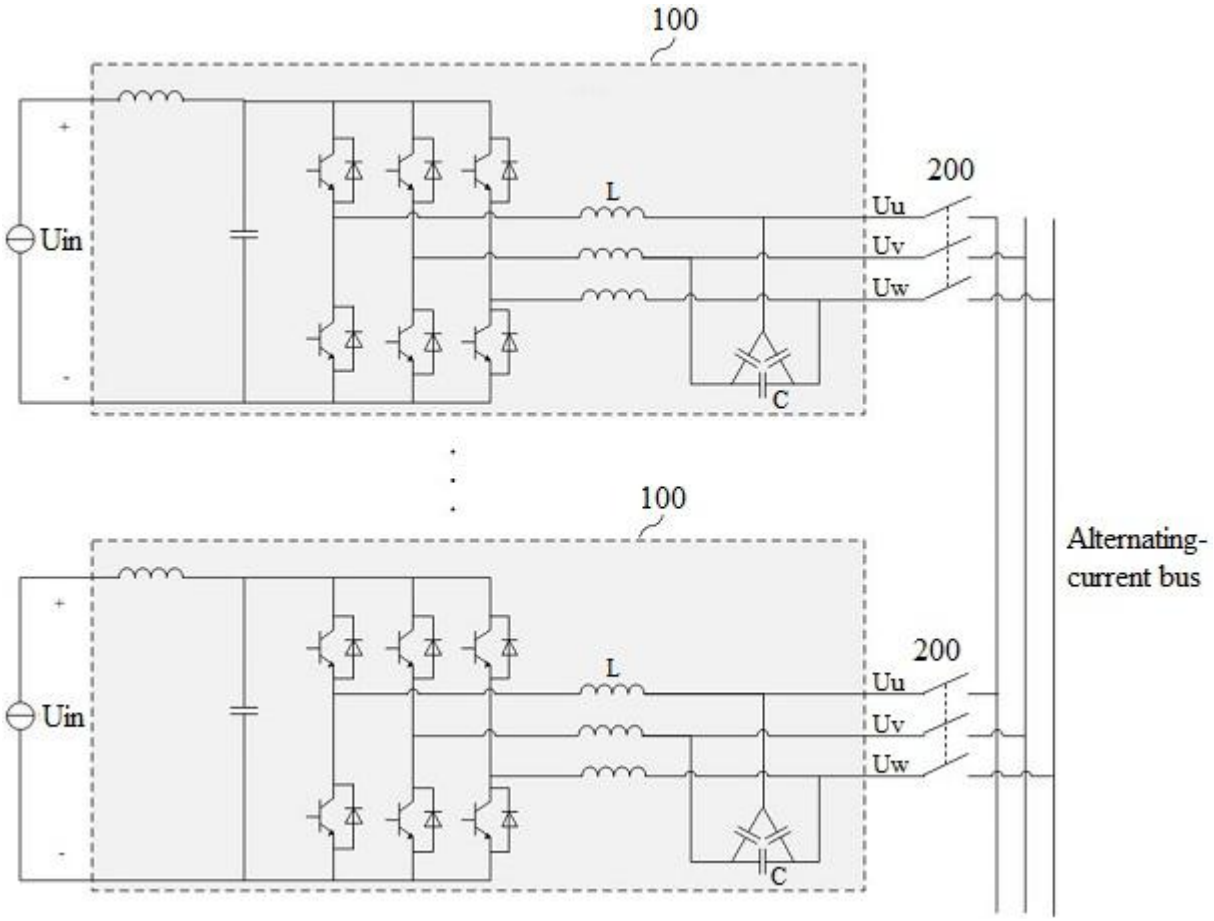

100
200
Uu
Uv
Uw
L
C
Uin
100
200
Uu
Uv
Uw
L
C
Uin
Alternating-current bus

**FIG. 2**

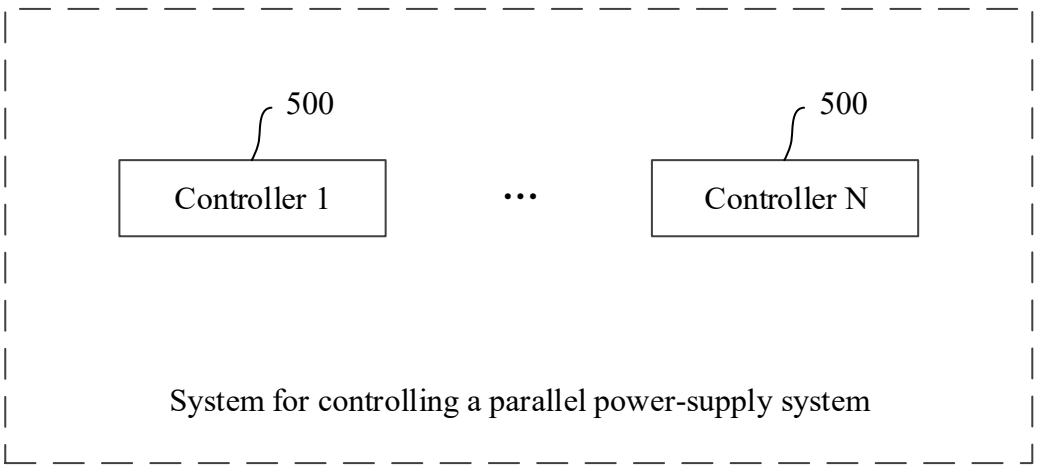

500
Controller 1
...
500
Controller N
System for controlling a parallel power-supply system

**FIG. 3**

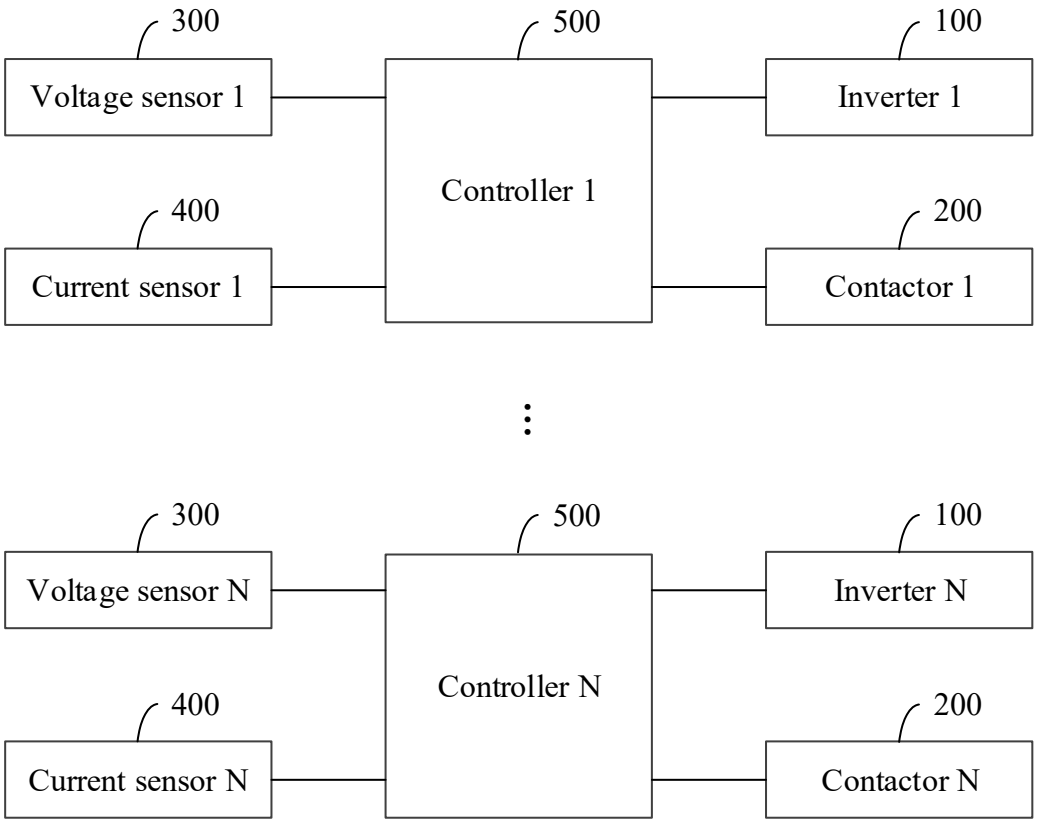

300
Voltage sensor 1
500
Controller 1
100
Inverter 1
400
Current sensor 1
200
Contactor 1
300
Voltage sensor N
500
Controller N
100
Inverter N
400
Current sensor N
200
Contactor N

**FIG. 4**

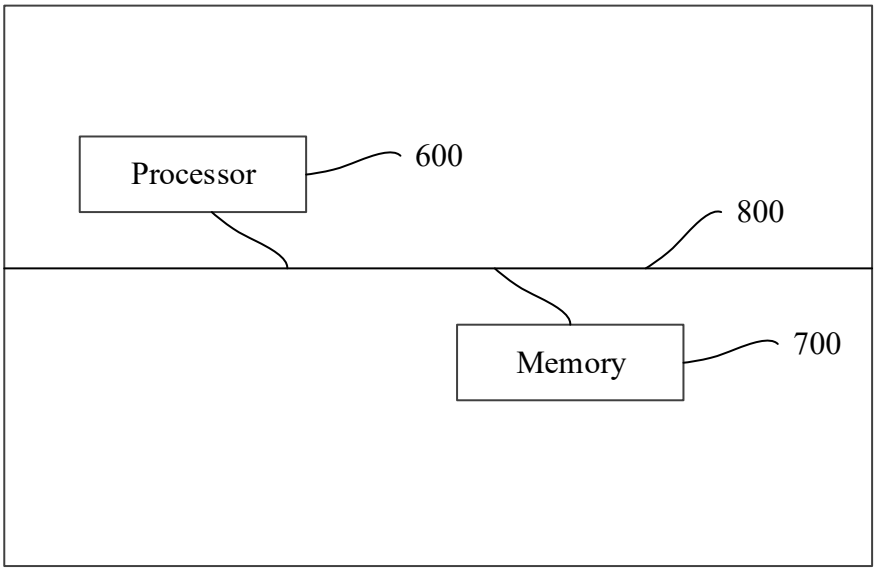

Processor
600
800
Memory
700

**FIG. 5**