ABSTRACT

A control method and system for a parallel power supply system, and a device, a medium and a product. Each controller controls within a preset duration the amplitude of an output voltage of an inverter to be maintained at a second preset voltage value, and then adjusts or maintains the phase of a modulation wave of the inverter on the basis of a first real-time output voltage and a first real-time bridge arm current until a timing value of a timer reaches the preset duration, such that the phases of output voltages of inverters are the same when the preset duration is reached; and then, on the basis of a second real-time output voltage and a rated voltage value, each controller synchronously adjusts the amplitude of the output voltage of each inverter to the rated voltage value, such that the inverters in a parallel power supply system can be synchronously started without the need for the network communication among the controllers. Therefore, the complexity of the control system for a parallel power supply system can be effectively reduced, and the dependence of the control system for a parallel power supply system on a network can be effectively reduced.

[Figure 1]