

## **ABSTRACT**

### **DIRECT CURRENT POWER DISTRIBUTION METHOD, DEVICE AND SYSTEM**

Disclosed in the present disclosure is a direct current power distribution method, device and system. The method includes: determining working modes of a direct current power distribution system, correspondingly obtaining, under different working modes, working parameters of the direct current power distribution system, and regulating operation of the direct current power distribution system according to the working parameters to achieve an electric energy balance of a power consumption side, a power generation side of a power grid, and an energy storage side. According to the embodiments of the present disclosure, by the regulating of the direct current power distribution system, an electric energy balance among the power consumption side, the power generation side of the power grid, and the energy storage side is achieved. In addition, the direct current power distribution system may be convenient for users to design and selection, and is convenient for installation and use. Installation of the energy storage device may reduce capacity design of a power grid system. The system control cabinet may control other modules, thereby improving energy utilization efficiency.

Figure 1