

**ABSTRACT OF THE DISCLOSURE**

A water supply system which has a pump control function and which includes a plurality of inverter devices having their own protection means and a plurality of variable speed pumps connected to the inverter devices in a 1:1 relationship. Since a pump controller eliminates the need for provision of a separately provided control circuit having a microcomputer built therein and requires only two inverter devices, the system can be made to be of a perfect double type and thus can secure a high reliability. When one of the two inverter devices is stopped, a restart means of the pump controller issues a restart command to cause the other inverter device to restart the stopped inverter device. Thus, when the protection cause of the stopped inverter device is already removed at the time of giving the restart command to the other inverter device, the stopped inverter device is restarted, whereby there can be reduced a possibility that the inverter devices are completely stopped.