

**PEAK ELECTRIC POWER REDUCTION SIMULATION SYSTEM USING BACKUP
HEAT SOURCE AND SIMULATION METHOD USING THE SAME**

ABSTRACT OF THE DISCLOSURE

Disclosed are a peak power reduction simulation system using a backup heat source and a simulation method using the same, and particularly, a peak power reduction simulation system using a backup heat source and a simulation method using the same for energy saving and presenting an accurate guideline for server expansion within the range that does not require additional power facilities by simulating an energy reduction state using the backup heat source.

Fig. 3