HYBRID ELECTRIC POWER SOURCE DEVICE FOR CRANE AND ~~CONTROL~~ METHOD ~~OF~~FOR CONTROLLING HYBRID ELECTRIC POWER SOURCE DEVICE FOR CRANE

ABSTRACT

There is provided a hybrid electric power device for a crane and a control method of the hybrid electric power device for the crane that enable to prevent degradation of fuel consumption of an engine generator even if load suddenly increases.

[Means for solving problem]

A hybrid electric power source device 1 for a crane including an engine generator 10, an electric power accumulating unit 40, and a control unit 2 for controlling the engine generator 10 and the electric power accumulating unit 40, wherein the control unit 2 includes an electric power load calculating part 2a which acquires electric power loaded on the engine based on required electric power supplied to an outside and charging electric power of an electric power accumulating unit 40 and a command signal sending part 2b which calculates output torque and a revolution speed based on the electric power loaded on the engine calculated by the electric power load calculating part 2a and generates a torque command signal and a revolution speed command signal.

Fig. 1