

ABSTRACT OF THE DISCLOSURE
APPARATUS FOR EMERGENCY OPERATION IN ELEVATOR SYSTEM

An apparatus for an emergency operation in an elevator system provided with a converter for converting a supply voltage to a direct voltage, a first inverter for converting the direct voltage outputted from the converter to a three-phase alternating voltage so as to drive an induction motor, a control circuit for controlling the first inverter, a first three-phase transformer for providing the supply voltage to the control circuit, includes a battery for outputting an alternating voltage when an electrical power is failed in the elevator system, a second inverter for converting the direct voltage outputted from the battery to the three-phase alternating voltage, and a second three-phase transformer for providing the three-phase alternating voltage outputted from the second inverter to the first three-phase transformer and an input terminal of the converter. The apparatus prevents a battery breakdown that may caused by an error operation of an overvoltage restraining member and overcomes a speed limit of elevator cars in the system by a low voltage of the battery.

(Fig. 2)