

STORAGE BATTERY INSPECTION DEVICE AND STORAGE BATTERY INSPECTION METHOD

[ABSTRACT]

Storage battery inspection device (10) includes a charge control circuit (11) that applies an AC current to a storage battery (31), a magnetic sensor (12) that senses a magnetic field external to the storage battery (31), a calculation unit (76) that calculates an AC current flowing through the storage battery (31) based on a sensing result from the magnetic sensor (12), and a correction unit (77) that calculates, based on a calculation result from the calculation unit (76), one or more vectors (I_{abnormal} , I_{normal}) on a complex plane representing the AC current flowing through the storage battery (31), calculates one or more projection vectors (I'_{abnormal} , I'_{normal}) by projecting the calculated one or more vectors (I_{abnormal} , I_{normal}) onto a predetermined straight line on the complex plane, and outputs a corrected signal indicating magnitudes of the calculated one or more projection vectors (I'_{abnormal} , I'_{normal}).

Figure 1