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(54) **MOTOR DRIVE DEVICE PROVIDED WITH CHARGING CONTROL UNIT**

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(57) **ABSTRACT**

A motor drive device includes: a converter that converts AC power supplied from an AC power source into DC power and outputs the DC power to a DC link; a capacitor installed in the DC link; an inverter that converts the DC power at the DC link into AC power for driving a motor and outputs the AC power; a charging circuit that has a charging resistor for preventing inrush current during the period of pre-charging of the capacitor; a charging control unit that controls the pre-charging of the capacitor executed by the charging circuit; and an abnormality determination unit that determines, during the period of pre-charging of the capacitor, whether an abnormality has occurred, on the basis of a measurement value of the voltage of the capacitor and/or a measurement value of the current flowing through the DC link.

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