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(54) **ELECTRIC POWER CONVERTER, METHOD OF CONTROLLING ELECTRIC POWER CONVERTER, AND COMPUTER READABLE RECORDING MEDIUM**

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(57) **ABSTRACT**

An electric power converter includes: an electric power conversion unit configured to convert electric power that has been input, and output the converted electric power; and a control unit configured to control, based on a reference function, an electric power conversion characteristic of the electric power conversion unit, wherein the reference function includes plural droop functions that have been defined according to input values, have drooping characteristics different from one another, and have been connected to each other, and the control unit is configured to control the electric power conversion characteristic by control schemes that are different from one another and are according to the drooping characteristics of the droop functions.

