



Controller For Power Converter And Motor Driving Systems

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Inventors: Robert Lorenz, Yang Xu, Chikara Morito

The Invention

A controller for a power convertor includes: a torque command value calculation module to calculate a first torque command value to a power convertor; a torque command limit module to receive the first torque command value and generate a second torque command value obtained by correcting the first torque command value so that the first torque command value is limited to a torque limiter range. The torque command limit module sets a width between the upper limit torque value and the lower limit torque value of the torque limiter range to be smaller as a fundamental wave output frequency of the power convertor increases at least in a speed region equal to or higher than a field weakening starting point.

Tech Fields

- [Engineering : Electric machines](#)

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