Title (en)
  CONVERTER CONTROL METHOD AND CONVERTER CONTROL DEVICE

Title (de)
  UMSETZER-STEUERVERFAHREN UND UMSETZER-STEUEREINRICHTUNG

Title (fr)
  PROCEDE DE COMMANDE DE CONVERTISSEUR ET DISPOSITIF DE COMMANDE DE CONVERTISSEUR

Publication
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Application
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Priority
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Abstract (en)
  [origin: EP1811644A1] In the present invention, a rectified voltage is controlled in accordance with variations in power supply voltage without having to separately provide a mechanism for detecting a peak value of the power supply voltage. A q-axis voltage command value (V_q*) is generated in a proportioned amount to an end-to-end voltage (V_{dc}) of a smoothing capacitor (4). A d-axis current command value (I_d*) is set to zero, and a d-axis voltage command value (V_d*) is generated based thereon. A pulse width modulator (605) performs pulse width modulation based on the q-axis voltage command value (V_q*) and the d-axis voltage command value (V_d*), and generates a signal that controls switching of a pulse width modulation converter (3).

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Citation (search report)
  See references of WO 2006040899A1

Cited by
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