

Title (en)

METHOD FOR THE LOW-LOSS CONTROL OF AN ASYNCHRONOUS MOTOR

Title (de)

VERFAHREN ZUR VERLUSTARMEN STEUERUNG EINES ASYNCHRONMOTORS

Title (fr)

PROCEDE POUR COMMANDER AVEC PEU DE PERTES LE FONCTIONNEMENT D'UN MOTEUR ASYNCHRONE

Publication

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Application

EP 01911705 A 20010228

Priority

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- EP 0102241 W 20010228

Abstract (en)

[origin: DE10009861A1] The method involves storing current and voltage pairs for loss-minimizing operation in a controller, measuring the current is, reading corresponding voltage out, measuring the motor terminal voltage and driving the three-phase voltage setting device via the controller so that the generated voltage measured at the motor terminals is identical to the voltage value of a loss-minimizing value pair. The method involves the use of a voltage controller with a three-phase voltage setting device, a current measurement device and a control device. Corresponding current and voltage pairs for loss-minimizing operation are stored in the controller, the current is measured, the corresponding voltage is read out, the motor terminal voltage is measured and the three-phase voltage setting device is driven via the controller so that the generated voltage measured at the motor terminals is identical to the voltage value of a loss-minimizing value pair. Independent claims are also included for the following: an arrangement for implementing the method.

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