

Title (en)

Control method for displacement-type fluid machine, and apparatus thereof

Title (de)

Verfahren für die Regelung von Verdrängungstyp-Fluidmaschinen und Einrichtung hierfür

Title (fr)

Procédé de réglage pour le déplacement des machines de type fluide et dispositif pour celui-ci

Publication

EP 0750116 B1 20010523 (EN)

Application

EP 96109849 A 19960619

Priority

JP 17542995 A 19950619

Abstract (en)

[origin: EP0750116A1] A method and an apparatus for controlling a displacement-type fluid machine which handles fluid including gas and/or liquid for increasing or decreasing pressure of the fluid or transporting the fluid, comprising: provision of an alternating current motor for driving the displacement-type fluid machine; and provision of a frequency converter which is capable of conducting frequency conversion up to a range higher than the power source frequency to adjust the number of revolutions of the motor; wherein the number of revolution is adjusted so that input current to the motor is kept constant, regardless of any change in operating pressure of the displacement-type fluid machine, whereby the displacement-type fluid machine is operated maintaining the process values within an allowable limit without effecting repeated actuation and stopping of the machine.

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Cited by

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