

Title (en)

Fuel pump capacity control system for a gas turbine engine

Title (de)

Kraftstoffpumpe mit Fördermengenregelung

Title (fr)

Système de contrôle de capacité d'une pompe à combustible

Publication

**EP 1531271 A2 20050518 (EN)**

Application

**EP 04026703 A 20041110**

Priority

US 70536203 A 20031111

Abstract (en)

A flow control system for controlling a variable displacement pump including a metering valve in fluid communication with the pump for metering an output of the pump. A regulating valve receives a portion of the output of the pump as a bypass flow at a first pressure, wherein an output of the regulating valve is at an interim pressure. The interim pressure is substantially equal to an average of the first pressure and a low reference pressure. An actuator sets a displacement of the pump by acting on a piston connected to a cam ring of the pump. The actuator receives the interim pressure and, thereby, the output of the variable displacement pump is determined. <IMAGE>

IPC 1-7

**F04C 15/04**; F04B 49/00; F04B 49/12; F04B 1/26

IPC 8 full level

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CPC (source: EP US)

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Cited by

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