

Title (en)

Method and device for operating turbomachines with controllers having a high proportional gain

Title (de)

Verfahren und Vorrichtung zum Betreiben von Strömungsmaschinen mit Reglern mit hoher Proportionalverstärkung

Title (fr)

Procédé et dispositif d'opération des turbomachines avec régulateurs à gain proportionnel élevé

Publication

EP 0757180 B1 20011024 (DE)

Application

EP 96110205 A 19960625

Priority

DE 19528253 A 19950801

Abstract (en)

[origin: EP0757180A1] The method involves determining a control parameter from measurements of the compressor throughflow and compressor pressure and from desired values. The control parameter is used for immediate opening of a release valve (2) by a pneumatic or hydraulic actuator. Electronic limiting of the rate of closure of the release valve is performed by an asymmetric gradient limiter (50). No time delay is effective in the release valve's opening direction. A time limitation in the closure direction which can be freely parameterised is provided or can be programmed in.

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IPC 8 full level

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CPC (source: EP US)

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Cited by

CN109505795A; EP3147511A1; US7025558B2; WO2021175945A1

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EP 0757180 A1 19970205; **EP 0757180 B1 20011024**; DE 19528253 A1 19970213; DE 19528253 C2 19971016; DE 59607984 D1 20011129; US 5765991 A 19980616

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EP 96110205 A 19960625; DE 19528253 A 19950801; DE 59607984 T 19960625; US 68191996 A 19960729