

Title (en)  
ADJUSTABLE GUIDING APPARATUS

Publication  
**EP 0131719 B1 19870520 (DE)**

Application  
**EP 84106015 A 19840526**

Priority  
DE 3325756 A 19830716

Abstract (en)  
[origin: US4657480A] A variable control mechanism for a turbine engine, in particular an exhaust gas turbine of a turbocharger, with a ring of guide blades arranged concentrically around a rotor axle and pivoting around pivot axles between end limits. The pivot axles are arranged in the forward areas associated with the inflow edges of the guide blades; one of the end limits being variable by means of an adjusting ring or the like. Clearance and impact losses are incurred depending on the prevailing setting of the guide blades. The invention provides a guide mechanism which can be constructed inexpensively and which reduces clearance and impact losses. The guide blades are arranged such that they can pivot freely within an angular setting range defined by the end limits. In case of a low load the guide blades pivot freely within the predetermined end limits, and with rising loads they abut against the variable end limit.

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**F01D 17/16**; **F04D 29/46**

IPC 8 full level  
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CPC (source: EP US)  
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Cited by  
EP0276023A3; US6824355B2; US6739832B2

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**US 4657480 A 19870414**; AT E27335 T1 19870615; DE 3325756 C1 19840913; DE 3463812 D1 19870625; EP 0131719 A2 19850123; EP 0131719 A3 19850313; EP 0131719 B1 19870520; JP H0347401 B2 19910719; JP S6053602 A 19850327

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