

Title (en)
Variable geometry turbine and/or compressor

Title (de)
Variable Turbinen- und/oder Verdichtergeometrie

Title (fr)
Turbines et/ou compresseurs à géométrie variable

Publication
EP 2317081 A2 20110504 (DE)

Application
EP 10189179 A 20101028

Priority
• DE 102009051582 A 20091031
• DE 102009052982 A 20091112

Abstract (en)
The turbine and/or compressor (1) has guide blades (3) rotatably supported at a blade bearing ring (2), and an adjusting ring (7) for adjusting the guide blades, where the adjusting ring is rotatably supported at the bearing ring by guide rollers (8). One of the guide rollers is rotatably supported at the bearing ring, and a securing device (9) is provided at the guide rollers for rotatably fixing the guide rollers at the bearing ring. The securing device is formed as a slotted pin, and the adjusting ring has recesses at an inner circumference. An independent claim is also included for a method for mounting a geometry variable turbine and/or compressor.

Abstract (de)
Die Erfindung betrifft eine variable Turbinen- und/oder Verdichtergeometrie (1) mit einem Schaufellagerring (2) mit drehbar daran/darin gelagerten Leitschaufeln (3), und mit einem Verstellring (7) zum Verstellen der Leitschaufeln (3), wobei der Verstellring (7) über Führungsrollen (8) am Schaufellagerring (2) drehbar gelagert ist. Erfindungswesentlich ist dabei, dass zumindest eine der Führungsrollen (8) drehbar am Schaufellagerring (2) gelagert ist, und dass an zumindest einer Führungsrolle (8) eine Verliersicherung (9) vorgesehen ist, die die Führungsrolle (8) drehbar am Schaufellagerring (2) fixiert.

IPC 8 full level
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CPC (source: EP)
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Citation (applicant)
WO 2008118833 A1 20081002 - HONEYWELL INT INC [US], et al

Cited by
DE102013213530A1; US9651053B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
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EP 2317081 A2 20110504; **EP 2317081 A3 20120404**; **EP 2317081 B1 20121205**; DE 102009052982 A1 20110505

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