

Title (en)
Turbomachine with adjustable stator vanes

Title (de)
Strömungsarbeitsmaschine mit verstellbaren Statorschaufeln

Title (fr)
Turbomachine avec aubes statoriques ajustables

Publication
EP 1918529 A3 20100512 (DE)

Application
EP 07021130 A 20071029

Priority
DE 102006052003 A 20061103

Abstract (en)
[origin: EP1918529A2] The machine has a flow channel, and a stator vane (2) rotatable about a rotating axis (1) arranged in the channel. The stator vane has a rotary disk (3) in radial end areas of the stator vane. The disk has a cross section that is designed non-circular towards the rotating axis. The cross section of the disk has two parallel, even or curved flanges (S, D) in opposite sides of the disk. The vane adjacent to the disk is supported in overlapping circular recesses in a housing component (5) and/or hub component (4), where the flanges are linearly designed.

IPC 8 full level
F01D 17/16 (2006.01); **F04D 29/56** (2006.01)

CPC (source: EP US)
F01D 17/162 (2013.01 - EP US); **F04D 29/563** (2013.01 - EP US)

Citation (search report)

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- [X] GB 946995 A 19640115 - ROLLS ROYCE
- [X] GB 1201949 A 19700812 - UNITED AIRCRAFT CORP [US]
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

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EP 07021130 A 20071029; DE 102006052003 A 20061103; US 97954607 A 20071105