

Title (en)
Upstream stator for turbomachine

Title (de)
Vorleitstator für Strömungsmaschinen

Title (fr)
Stator en amont d' une turbomachine

Publication
EP 1433958 A3 20050112 (DE)

Application
EP 03016559 A 20030724

Priority
DE 10261789 A 20021223

Abstract (en)
[origin: EP1433958A2] The inlet stator (12) has several inlet guide vanes (16) in the flow incidence region of a compressor wheel whose spin-generating vane angle can be varied depending on a fluid volumetric flow through the flow machine or turbo-compressor. The inlet guide vanes undergo variable deformation under varying flow conditions. The inlet guide vanes are made of a deformable material and are flexible.

IPC 1-7
F04D 27/02; **F04D 29/42**

IPC 8 full level
F04D 27/02 (2006.01); **F04D 29/42** (2006.01)

CPC (source: EP)
F04D 27/0246 (2013.01); **F04D 29/4213** (2013.01); **F04D 29/462** (2013.01); **F05D 2250/51** (2013.01)

Citation (search report)
• [X] DE 19955510 C1 20000921 - DAIMLER CHRYSLER AG [DE]
• [X] DE 3817839 A1 19891207 - AUDI AG [DE]
• [X] US 3723021 A 19730327 - BARTHOLOMEW P

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

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