

Title (en)
Diffuser, in particular for an axial flow machine

Title (de)
Diffusor, insbesondere für eine Axialströmungsmaschine

Title (fr)
Diffuseur, en particulier pour une machine à flux axial

Publication
EP 2594741 A3 20170823 (EN)

Application
EP 12191495 A 20121106

Priority
DE 102011118735 A 20111117

Abstract (en)
[origin: EP2594741A2] The invention concerns a diffuser (20), in particular for an axial flow machine, preferably a stationary gas turbine, which diffuser (20) transforms from a ring channel (17) with a first cross sectional area into an outlet space (21) with a second, larger cross sectional area along a machine axis (31). Improved efficiency is achieved in that the transition is effected in several steps (22a-c) and that an annular passage (29) is provided through which a gas flow is able to escape and to flow along the guiding surface (28) in the form of a Coanda flow (30).

IPC 8 full level
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