

Title (en)

Stator vane with variable setting of a turbomachine

Title (de)

Statorflügel mit variablem Einstellwinkel einer Strömungsmaschine

Title (fr)

Aube de stator à calage variable de turbomachine

Publication

**EP 1843008 B1 20090617 (FR)**

Application

**EP 07290419 A 20070405**

Priority

FR 0651243 A 20060406

Abstract (en)

[origin: EP1843008A1] The vane has a plate (13) perpendicular to direction formed by a blade (12) and a pivot (14). A surface of the plate opposed to the blade includes two zones (20, 22), where one zone (20) is subjected to high friction with a wall of a bore housing due to the stress transversely applied on the blade. A cavity (22A) in the zone (22) is fabricated in the surface turned towards the housing, where the cavity is not subjected to compression stress resulting from application of force on the blade. The cavity extends on an arc i.e. circle, from sixty to one hundred and twenty degrees around the pivot.

IPC 8 full level

**F01D 9/02** (2006.01); **F01D 17/16** (2006.01)

CPC (source: EP US)

**F01D 17/162** (2013.01 - EP US); **F04D 29/563** (2013.01 - EP US); **F05D 2270/304** (2013.01 - EP US)

Cited by

DE102009004933A1; EP3388638A1; US10436050B2

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DOCDB simple family (publication)

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