Title (en)

HEAT SHIELD AND STATOR VANE FOR A GAS TURBINE

Title (de)

HITZESCHILD UND TURBINENLEITSCHAUFEL FÜR EINE GASTURBINE

Title (fr)

ÉCRAN THERMIQUE ET AUBE DE DISTRIBUTEUR POUR UNE TURBINE À GAZ

Publication

EP 1899582 B1 20160831 (DE)

Application

EP 06764023 A 20060703

Priority

- EP 2006063813 W 20060703
- EP 05014475 A 20050704
- EP 06764023 A 20060703

Abstract (en)

[origin: EP1741877A1] The thermal flow housing has a guide vane and a thermal shield element. A thermal shield element (113) has a hot gas surface (114) which is opposite the support structure and which forms a wall section of the flow path. The guide vane and the thermal shield element are placed relative to each other so that the surface of the thermal shield on the hot gas side (114) is located further inside relative to the flow path than the platform surface (108, 110) or so that the thermal shield surface on the hot gas side is aligned with the platform surface. An independent claim is included for a gas turbine arrangement, a vane, heat shielding element.

IPC 8 full level

F01D 5/14 (2006.01); **F01D 9/02** (2006.01); **F01D 11/00** (2006.01); **F23R 3/00** (2006.01)

CPC (source: EP)

F01D 5/143 (2013.01); **F01D 9/023** (2013.01); **F01D 11/005** (2013.01); F05D 2240/80 (2013.01); F05D 2260/201 (2013.01); F05D 2260/202 (2013.01); F05D 2300/5021 (2013.01)

Citation (examination)

- US 3286461 A 19661122 - DOUGLAS JOHNSON
- EP 1731715 A1 20061213 - SIEMENS AG [DE]
- JP 2005030680 A 20050203 - MITSUBISHI HEAVY IND LTD

Cited by

DE102016116222A1; EP3569821A3

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