

Title (en)

GAS TURBINE VANE STAGE WITH HALF VANES INTEGRAL WITH AN OUTER CASE AND AN INNER SHROUD

Title (de)

LEITSCHAUFELSTUFE EINER GASTURBINE MIT HALBSCHAUFELN EINSTUECKIG MIT EINEM AUSSENGEHAEUSE UND EINEM INNENDECKBAND

Title (fr)

ETAGE STATORIQUE D'UNE TUBINE À GAZ AVEC DEMI-AUBES MONOBLOC AVEC UN CARTER EXTÉRIEURE ET UNE VIROLE INTERNE

Publication

EP 3650637 A1 20200513 (EN)

Application

EP 19195967 A 20190906

Priority

US 201816184632 A 20181108

Abstract (en)

A vane stage includes a ringcase (62) extending circumferentially about a center axis (CA) of the vane stage. The ringcase (62) extends completely about the center axis (CA) to form a first ring. An inner shroud (64) extends circumferentially about the center axis (CA) of the vane stage. The inner shroud (64) extends completely about the center axis (CA) to form a second ring positioned radially within the ringcase (62) relative the center axis (CA). A plurality of stationary half vanes (66) extend radially between the ringcase (62) and the inner shroud (64), and are circumferentially spaced about the center axis (CA). The plurality of stationary half vanes (66) are integral with the ringcase (62) and the inner shroud (64).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [XY] US 2005109011 A1 20050526 - COURTOT YANNICK [FR], et al
- [A] EP 1340894 A2 20030903 - GEN ELECTRIC [US]

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US2021284333A1; US11661183B2

Designated contracting state (EPC)

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