

Title (en)

Measuring device for the state conditions of a hot gas flow in a gas turbine engine

Title (de)

Vorrichtung zur Messung von Zustandsgrößen eines in einer Gasturbine strömbaren Heissgases

Title (fr)

Appareil de mesure pour les paramètres d'état d'un gaz chaud dans une turbine à gaz

Publication

**EP 1770245 A1 20070404 (DE)**

Application

**EP 05021341 A 20050929**

Priority

EP 05021341 A 20050929

Abstract (en)

An assembly (21) measures a gas (11) parameter in a gas passage (18) formed by a wall (36) in a gas turbine engine (1). The engine has a guide vane head with an aperture to a bleed passage through which a lance (41) is inserted, the tip (53) slightly protruding into the gas inlet (35). The duct (37) has a side-branch (43) to a sensor (45).

IPC 8 full level

**F01D 17/08** (2006.01); **F01D 17/02** (2006.01)

CPC (source: EP)

**F01D 17/02** (2013.01); **F01D 17/08** (2013.01); **F01D 17/085** (2013.01)

Citation (search report)

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- [Y] US 6742394 B1 20040601 - STUTTAFFORD PETER [US], et al
- [DA] EP 1288642 A2 20030305 - MITSUBISHI HEAVY IND LTD [JP] & "KR2004065502", KOREAN PATENT ABSTRACT ONLINE DATABASE, 22 July 2004 (2004-07-22), XP002374338, Retrieved from the Internet <URL:http://eng.kipris.or.kr/> [retrieved on 20060327]

Cited by

FR3021742A1; FR3017459A1; US9856743B2; US9777590B2

Designated contracting state (EPC)

CH DE ES GB IT LI

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1770245 A1 20070404**; **EP 1770245 B1 20121212**; ES 2401109 T3 20130417

DOCDB simple family (application)

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