

Title (en)

Emergency shutdown detection system for a gas turbine

Title (de)

Notabschaltedetektvorrichtung für eine Gasturbine

Title (fr)

Système de détection d'arrêt d'urgence pour une turbine à gaz

Publication

**EP 1847688 A3 20160323 (DE)**

Application

**EP 07004819 A 20070308**

Priority

DE 102006016011 A 20060405

Abstract (en)

[origin: US2007241921A1] An emergency shutdown detection device for a gas turbine includes a longish, mechanically severable sensor element ( 5 ), in which at least one electric line ( 1 to 4 ) is provided, with at least one resistor (R 1 to R 3 ) being electrically connected to the electric line such that upon severance of the sensor element ( 5 ), the electrically connected resistor is electrically disconnected from the electrical line to alter a resistance value for the electrical line.

IPC 8 full level

**F01D 17/02** (2006.01); **F01D 21/06** (2006.01)

CPC (source: EP US)

**F01D 17/02** (2013.01 - EP US); **F01D 21/045** (2013.01 - EP US); **F01D 21/06** (2013.01 - EP US); **F05D 2220/32** (2013.01 - EP US); **F05D 2260/80** (2013.01 - EP US)

Citation (search report)

- [X] US 6607349 B2 20030819 - MULERA TOM G [US], et al
- [A] DE 19727296 A1 19990107 - MTU MUENCHEN GMBH [DE]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**DE 102006016011 A1 20071018**; EP 1847688 A2 20071024; EP 1847688 A3 20160323; EP 1847688 B1 20190508; US 2007241921 A1 20071018; US 7782221 B2 20100824

DOCDB simple family (application)

**DE 102006016011 A 20060405**; EP 07004819 A 20070308; US 73094307 A 20070405