

Title (en)

MONITORING FATIGUE IN STEAM TURBINE ROTOR

Title (de)

ERMÜDUNGSÜBERWACHUNG IN EINEM DAMPFTURBINENROTOR

Title (fr)

SURVEILLANCE DE LA FATIGUE DE ROTOR DE TURBINE À VAPEUR

Publication

EP 3088661 A1 20161102 (EN)

Application

EP 15165441 A 20150428

Priority

EP 15165441 A 20150428

Abstract (en)

A rotor (1) for a rotary machine (10) includes a monitor portion (100) which is designed for being exposed during operations to a maximum strain range, and at least one operating portion (30, 40) subject to being coupled or covered during operations by another component (31, 41) of the rotary machine. The monitor portion (100) is adjacent to or distanced from the at least one operating portion (30, 40).

IPC 8 full level

F01D 5/00 (2006.01); **F01D 21/00** (2006.01)

CPC (source: EP)

F01D 5/005 (2013.01); **F01D 21/003** (2013.01); **F05D 2260/80** (2013.01); **F05D 2260/94** (2013.01); **F05D 2270/332** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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