

Title (en)  
Inspection of the blades of a turbine

Title (de)  
Kontrolle der Schaufelblätter einer Turbine

Title (fr)  
Contrôle des aubes de turbomachine

Publication  
**EP 1749969 B1 20080910 (FR)**

Application  
**EP 06015205 A 20060721**

Priority  
FR 0508046 A 20050728

Abstract (en)  
[origin: EP1749969A1] The method involves measuring geometrical coordinates of multiple points located on the profile of a blade section (10) of a turbomachine. An aerodynamic parameter of the blade section is calculated based on the measured coordinates. A blade is validated if the value of the aerodynamic parameter falls within a validity range or the blade is rejected if the value lies outside the validity range. The validity range is defined by a value of a nominal aerodynamic parameter of a reference blade and associated tolerance of the nominal parameter. Independent claims are also included for the following: (1) a computer program directly loadable in a memory of a computer for implementing a turbomachine blades checking method (2) a turbomachine blades checking system.

IPC 8 full level  
**F01D 5/14** (2006.01); **G01M 13/00** (2019.01); **G01B 21/20** (2006.01); **G05B 19/401** (2006.01)

CPC (source: EP US)  
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Cited by  
CN109470196A; CN104697462A; US12005666B2; WO2021028637A1

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**EP 1749969 A1 20070207**; **EP 1749969 B1 20080910**; CA 2553880 A1 20070128; CA 2553880 C 20131022; DE 602006002688 D1 20081023; FR 2889308 A1 20070202; FR 2889308 B1 20071005; JP 2007032570 A 20070208; JP 4795885 B2 20111019; RU 2006127373 A 20080210; RU 2360224 C2 20090627; US 2007025855 A1 20070201; US 7774157 B2 20100810

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