

Title (en)
GAS TURBINE ENGINE AND VARIABLE CAMBER VANE SYSTEM

Title (de)
GASTURBINENMOTOR UND SCHAUFELSYSTEM MIT VERÄNDERBARER WÖLBUNG

Title (fr)
MOTEUR À TURBINE À GAZ ET SYSTÈME D'AILETTES À CAMBRURE VARIABLE

Publication
EP 2659112 A4 20180307 (EN)

Application
EP 11853198 A 20111227

Priority
• US 97884310 A 20101227
• US 2011067393 W 20111227

Abstract (en)
[origin: US2012163960A1] One embodiment of the present invention is a unique variable camber vane system for a gas turbine engine. Another embodiment is a unique gas turbine engine. Other embodiments include apparatuses, systems, devices, hardware, methods, and combinations for gas turbine engines and variable camber vane systems. Further embodiments, forms, features, aspects, benefits, and advantages of the present application will become apparent from the description and figures provided herewith.

IPC 8 full level
F04D 29/54 (2006.01); **F01D 17/16** (2006.01); **F04D 29/56** (2006.01)

CPC (source: EP US)
F01D 17/162 (2013.01 - EP US); **F04D 29/083** (2013.01 - EP); **F04D 29/544** (2013.01 - EP US); **F04D 29/563** (2013.01 - EP US)

Citation (search report)
• [XY] EP 0924389 A2 19990623 - UNITED TECHNOLOGIES CORP [US]
• [XY] DE 10352789 A1 20050609 - MTU AERO ENGINES GMBH [DE]
• [XAY] US 3990810 A 19761109 - AMOS DAVID J, et al
• [XAYI] GB 1504463 A 19780322 - WESTINGHOUSE CANADA LTD [CA]
• [Y] US 3887297 A 19750603 - WELCHEK MICHAEL JOHN
• See also references of WO 2012092277A1

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

DOCDB simple family (publication)
US 2012163960 A1 20120628; CA 2822965 A1 20120705; CA 2822965 C 20200211; EP 2659112 A1 20131106; EP 2659112 A4 20180307; EP 2659112 B1 20201007; WO 2012092277 A1 20120705

DOCDB simple family (application)
US 97884310 A 20101227; CA 2822965 A 20111227; EP 11853198 A 20111227; US 2011067393 W 20111227