

Title (en)

GAS TURBINE ENGINE WITH GEARED ARCHITECTURE

Title (de)

GASTURBINENMOTOR MIT VERZAHNTER ARCHITEKTUR

Title (fr)

MOTEUR DE TURBINE À GAZ DOTÉ D'UNE ARCHITECTURE À ENGRENAGES

Publication

**EP 2802745 A4 20151021 (EN)**

Application

**EP 13735909 A 20130103**

Priority

- US 201213346100 A 20120109
- US 2013020040 W 20130103

Abstract (en)

[origin: WO2013106223A1] A gas turbine engine according to an exemplary aspect of the present disclosure includes a core nacelle defined about an engine centerline axis, a fan nacelle mounted at least partially around the core nacelle to define a fan bypass flow path for a fan bypass airflow, a fan variable area nozzle axially movable relative the fan nacelle to vary a fan nozzle exit area and adjust a pressure ratio of the fan bypass airflow during engine operation, and a gear system driven by a core engine within the core nacelle to drive a fan within the fan nacelle, the gear system defines a gear reduction ratio of greater than or equal to about 2.3.

IPC 8 full level

**F01D 17/14** (2006.01)

CPC (source: EP RU)

**F01D 17/162** (2013.01 - EP); **F04D 29/563** (2013.01 - EP); **F01D 17/14** (2013.01 - RU); **F02K 1/06** (2013.01 - RU); **F02K 3/06** (2013.01 - RU); **F05D 2220/36** (2013.01 - EP)

Citation (search report)

- [X] US 2009097967 A1 20090416 - SMITH PETER G [US], et al
- [A] EP 2333282 A2 20110615 - UNITED TECHNOLOGIES CORP [US]
- [A] US 6292763 B1 20010918 - DUNBAR DONALD K [US], et al
- See references of WO 2013106223A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 2013106223 A1 20130718**; BR 112014016602 A2 20170613; BR 112014016602 A8 20170704; BR 112014016602 B1 20220329; CA 2853694 A1 20130718; CA 2853694 C 20160322; CN 104040117 A 20140910; EP 2802745 A1 20141119; EP 2802745 A4 20151021; JP 2015503705 A 20150202; JP 2017015095 A 20170119; RU 2014130443 A 20160227; RU 2647558 C2 20180319; SG 11201402663X A 20140926

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