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)
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)
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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US 2013020040 W 20130103; BR 112014016602 A 20130103; CA 2853694 A 20130103; CN 201380005057 A 20130103; EP 13735909 A 20130103; JP 2014551302 A 20130103; JP 2016177200 A 20160912; RU 2014130443 A 20130103; SG 11201402663X A 20130103