

Title (en)  
GAS TURBINE BLOWER/PUMP

Title (de)  
GASTURBINENGEBLÄSE/-PUMPE

Title (fr)  
SOUFFLANTE/POMPE DE TURBINE À GAZ

Publication  
**EP 3417160 A4 20191002 (EN)**

Application  
**EP 16890136 A 20160218**

Priority  
• CA 2921053 A 20160216  
• US 201615044316 A 20160216  
• CA 2016000043 W 20160218

Abstract (en)  
[origin: WO2017139863A1] A low emission, high efficiency Gas Turbine engine operating on a combination of Natural Gas and Bio Gas as fuel, driving either a high efficiency turbo-blower or a high efficiency Turbo Pump system combined with heat recovery systems and in other embodiments is provided a generator of electricity or providing evaporative cooling from using the remaining waste heat in the exhaust gas.

IPC 8 full level  
**F02C 3/04** (2006.01); **F01D 15/08** (2006.01); **F02C 3/20** (2006.01); **F02C 7/08** (2006.01)

CPC (source: EP KR)  
**F01D 15/08** (2013.01 - EP KR); **F02C 6/18** (2013.01 - EP KR); **F02C 7/08** (2013.01 - EP KR); **F05D 2220/75** (2013.01 - EP KR); **F05D 2250/80** (2013.01 - EP KR); **Y02E 20/14** (2013.01 - KR); **Y02E 50/10** (2013.01 - EP KR); **Y02T 50/678** (2013.01 - EP KR)

Citation (search report)  
• [X] US 2012102911 A1 20120503 - DEWIS DAVID W [US], et al  
• [XI] US 5119624 A 19920609 - MCKENNA PETER G [GB]  
• [I] US 6363706 B1 20020402 - MEISTER KURT [US], et al  
• [I] US 4313301 A 19820202 - BELKE WILLIAM H, et al  
• [A] WO 9738218 A2 19971016 - JUNG NADINE [CH]  
• [A] US 4813228 A 19890321 - HUELLER JOSEPH [DE]  
• See references of WO 2017139863A1

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 2017139863 A1 20170824**; CA 3017769 A1 20170824; EP 3417160 A1 20181226; EP 3417160 A4 20191002; KR 102566355 B1 20230811; KR 20190051889 A 20190515

DOCDB simple family (application)  
**CA 2016000043 W 20160218**; CA 3017769 A 20160218; EP 16890136 A 20160218; KR 20187026633 A 20160218