

Title (en)
SYSTEM FOR UTILIZING WASTE HEAT FROM AN EXHAUST GAS SYSTEM

Title (de)
ANLAGE ZUR ABWÄRMENUTZUNG EINER ABGASANLAGE

Title (fr)
DISPOSITIF POUR LA RÉCUPÉRATION DE LA CHALEUR RÉSIDUELLE D'UN SYSTÈME D'ÉCHAPPEMENT

Publication
EP 3020124 A2 20160518 (DE)

Application
EP 14738441 A 20140627

Priority
• DE 102013213569 A 20130711
• EP 2014063701 W 20140627

Abstract (en)
[origin: WO2015003928A2] A high-speed turbine is driven by a fluid that can be heated by waste heat within an area that is hermetically sealed with respect to the atmosphere. The high-speed turbine is contactlessly and drivingly coupled by a magnetic clutch to a device for utilizing the turbine work. The magnetic clutch is preferably a magnetic transmission which steps down the turbine speed.

IPC 8 full level
H02K 49/10 (2006.01); **F02G 5/02** (2006.01)

CPC (source: EP US)
F02B 33/40 (2013.01 - US); **F02B 37/00** (2013.01 - US); **F02B 39/12** (2013.01 - US); **H02K 49/102** (2013.01 - EP US);
H02K 49/106 (2013.01 - US); **F01N 5/02** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (search report)
See references of WO 2015003928A2

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102013213569 A1 20150115; EP 3020124 A2 20160518; US 2016160750 A1 20160609; WO 2015003928 A2 20150115;
WO 2015003928 A3 20150319

DOCDB simple family (application)
DE 102013213569 A 20130711; EP 14738441 A 20140627; EP 2014063701 W 20140627; US 201414904081 A 20140627