

Title (en)
IGNITION SYSTEM AND METHOD FOR OPERATING AN IGNITION SYSTEM

Title (de)
ZÜNDSYSTEM UND VERFAHREN ZUM BETREIBEN EINES ZÜNDSYSTEMS

Title (fr)
SYSTÈME D'ALLUMAGE ET PROCÉDÉ DE FONCTIONNEMENT D'UN SYSTÈME D'ALLUMAGE

Publication
EP 3069010 A1 20160921 (DE)

Application
EP 14786936 A 20141022

Priority
• DE 102013223187 A 20131114
• DE 102014216013 A 20140813
• EP 2014072642 W 20141022

Abstract (en)
[origin: WO2015071062A1] Disclosed are an ignition system and a method for operating an ignition system for an internal combustion engine, said ignition system comprising a primary voltage generator and a step-up converter for generating an ignition spark. According to the invention, a voltage required for the ignition spark is determined, whereupon a switch-on time of the step-up converter is modified in relation to a switch-off time of the primary voltage generator.

IPC 8 full level
F02P 3/04 (2006.01); **F02P 5/15** (2006.01); **F02P 9/00** (2006.01); **F02P 17/12** (2006.01)

CPC (source: EP US)
F02P 3/0407 (2013.01 - EP US); **F02P 5/1502** (2013.01 - EP US); **F02P 5/1516** (2013.01 - EP US); **F02P 9/007** (2013.01 - EP US); **F02P 17/12** (2013.01 - EP US); **F02P 9/002** (2013.01 - EP US); **F02P 15/10** (2013.01 - EP US); **F02P 2017/121** (2013.01 - EP US); **Y02T 10/40** (2013.01 - EP US)

Citation (search report)
See references of WO 2015071062A1

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)
WO 2015071062 A1 20150521; BR 112016010939 A2 20170912; CN 105705777 A 20160622; CN 105705777 B 20170915; DE 102014216013 A1 20150521; EP 3069010 A1 20160921; US 2016348633 A1 20161201; US 9850875 B2 20171226

DOCDB simple family (application)
EP 2014072642 W 20141022; BR 112016010939 A 20141022; CN 201480062603 A 20141022; DE 102014216013 A 20140813; EP 14786936 A 20141022; US 201415032974 A 20141022