

Title (en)  
Ignition circuit

Title (de)  
Zündschaltung

Title (fr)  
Circuit d'allumage

Publication  
**EP 2602477 B1 20230712 (DE)**

Application  
**EP 12008127 A 20121205**

Priority  
DE 102011120462 A 20111207

Abstract (en)  
[origin: EP2602477A2] The ignition circuit has ignition coil (34) that generates ignition spark at spark plug (20) arranged in combustion chamber. A control unit (32) controls the ignition coil. A sensor circuit (37) is configured to supply a voltage to sensor. The sensor circuit is connected to ignition module on the one hand and to reference potential (40) on the other hand. The sensor circuit and power circuit (35) are configured to use the line segment (33) as a common connection to reference potential. The control unit and ignition coil being consolidated in a common component as an ignition module (31) to which generator (12) is connected. The spark plug is located outside of the ignition module. The power circuit is formed by connecting spark plug and ignition coil. A sensor is configured to detect operating parameters of engine and to transmit an output signal to ignition module.

IPC 8 full level  
**F02P 1/08** (2006.01); **F02P 11/02** (2006.01)

CPC (source: EP US)  
**F02P 1/08** (2013.01 - EP US); **F02P 1/083** (2013.01 - EP US); **F02P 3/055** (2013.01 - US); **F02P 11/02** (2013.01 - EP); **B27B 17/00** (2013.01 - EP US); **B27B 17/0033** (2013.01 - EP US); **F02B 63/02** (2013.01 - US); **F02D 17/04** (2013.01 - US); **F02D 41/22** (2013.01 - EP US); **F02D 2400/06** (2013.01 - EP US); **F02P 3/055** (2013.01 - EP)

Citation (examination)

- US 2007028881 A1 20070208 - NAKATA HIROSHI [JP], et al
- JP 2005220869 A 20050818 - FUJI HEAVY IND LTD
- EP 0727578 B1 20011219 - DUCATI ENERGIA SPA [IT]

Cited by  
CN105092262A

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)  
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DOCDB simple family (application)  
**EP 12008127 A 20121205**; CN 201210521980 A 20121207; DE 102011120462 A 20111207; US 201213707131 A 20121206