

Title (en)

ARRANGEMENT OF A SPARK PLUG IN A CYLINDER OF AN INTERNAL COMBUSTION ENGINE OF A VEHICLE

Title (de)

ANORDNUNG EINER ZÜNDKERZE IN EINEM ZYLINDER EINES VERBRENNUNGSMOTORS EINES FAHRZEUGS

Title (fr)

DISPOSITION D'UNE BOUGIE D'ALLUMAGE DANS UN CYLINDRE D'UN MOTEUR À COMBUSTION INTERNE D'UN VÉHICULE

Publication

**EP 2715098 B1 20230712 (DE)**

Application

**EP 12727285 A 20120516**

Priority

- DE 102011102620 A 20110527
- EP 2012002103 W 20120516

Abstract (en)

[origin: WO2012163479A1] A cylinder (7) of an internal combustion engine (8) for a vehicle (10) comprises at least one inlet duct (4) and a spark plug (1) which for its part comprises an earth electrode (2). The spark plug (1) is fastened in the cylinder (7) in such a way that, during operation of the internal combustion engine (8), the earth electrode (2) is cooled in as optimum a manner as possible by an air flow which is generated by the at least one inlet duct (4).

IPC 8 full level

**F02F 1/24** (2006.01); **H01T 13/08** (2006.01); **H01T 13/16** (2006.01)

CPC (source: EP US)

**F02F 1/18** (2013.01 - US); **F02F 1/242** (2013.01 - EP US); **H01T 13/08** (2013.01 - EP US); **H01T 13/16** (2013.01 - EP US); **Y10T 29/4927** (2015.01 - EP US)

Citation (examination)

DE 3939322 C2 19940915 - FUJI HEAVY IND LTD [JP]

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)

**DE 102012009506 A1 20121129**; CN 103562534 A 20140205; CN 103562534 B 20180518; EP 2715098 A1 20140409; EP 2715098 B1 20230712; RU 2013158348 A 20150710; RU 2572735 C2 20160120; US 2014076261 A1 20140320; US 9556820 B2 20170131; WO 2012163479 A1 20121206

DOCDB simple family (application)

**DE 102012009506 A 20120514**; CN 201280025788 A 20120516; EP 12727285 A 20120516; EP 2012002103 W 20120516; RU 2013158348 A 20120516; US 201314088276 A 20131122