

Title (en)
SHORT-CIRCUIT PREVENTION IN AN RF SPARK PLUG

Title (de)
KURZSCHLUSSSCHUTZ BEI EINER HF-ZÜNDKERZE

Title (fr)
PREVENTION CONTRE UN COURT-CIRCUIT DE LA BOUGIE RF

Publication
EP 2628220 A1 20130821 (FR)

Application
EP 11779805 A 20111006

Priority
• FR 1058282 A 20101012
• FR 2011052330 W 20111006

Abstract (en)
[origin: WO2012049403A1] The invention relates to a spark plug comprising: a central electrode (10), which has an upper end (18) and a lower end (17); an insulating part (11), which has an upper portion and a lower portion and surrounds the central electrode so that the lower end (17) of the central electrode extends beyond the lower portion of the insulating part; and a cap (12), which has an upper portion (36) and a lower portion (37) that has an end section (14) and which surrounds the insulating part so that the lower portion of the insulating part extends beyond the lower portion of the cap, characterized in that the insulating part includes an annular groove (19), on the external periphery thereof, on the lower end of the cap, and in that the lower end section (14) of the cap is placed in the groove.

IPC 8 full level
H01T 13/50 (2006.01); **H01T 13/52** (2006.01); **H01T 21/02** (2006.01)

CPC (source: EP US)
H01T 13/34 (2013.01 - US); **H01T 13/50** (2013.01 - EP US); **H01T 13/52** (2013.01 - EP US); **H01T 21/02** (2013.01 - EP US)

Citation (search report)
See references of WO 2012049403A1

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)
FR 2965984 A1 20120413; **FR 2965984 B1 20121012**; CN 103250311 A 20130814; CN 103250311 B 20150218; EP 2628220 A1 20130821; EP 2628220 B1 20150325; JP 2013539903 A 20131028; JP 5902182 B2 20160413; US 2013234581 A1 20130912; US 9065256 B2 20150623; WO 2012049403 A1 20120419

DOCDB simple family (application)
FR 1058282 A 20101012; CN 201180058972 A 20111006; EP 11779805 A 20111006; FR 2011052330 W 20111006; JP 2013533257 A 20111006; US 201113879212 A 20111006