

Title (en)
PRECHAMBER SPARK PLUG

Title (de)
VORKAMMERZÜNDKERZE

Title (fr)
BOUGIE D'ALLUMAGE À PRÉCHAMBRE

Publication
EP 3420615 B1 20210113 (DE)

Application
EP 17842286 A 20171218

Priority
• DE 102017204241 A 20170314
• DE 2017200135 W 20171218

Abstract (en)
[origin: WO2018166549A1] A prechamber spark plug comprising a housing (3), a ground electrode and a prechamber (5) which is defined by the housing (3) and a cap (15) and inside which a central electrode (6) is arranged, is characterized in that the ratio V/D of the prechamber volume V to the largest internal diameter D of the prechamber (5) ranges from 30 mm² to 95 mm².

IPC 8 full level
H01T 13/54 (2006.01)

CPC (source: EP US)
H01T 13/54 (2013.01 - EP US)

Citation (opposition)
Opponent : Alexander Zolyomi
• EP 1984993 B1 20130828 - GE JENBACHER GMBH & CO OHG [AT]
• WO 2012091739 A2 20120705 - PROMETHEUS APPLIED TECHNOLOGIES LLC [US], et al
• WO 2004036013 A1 20040429 - PEUGEOT CITROEN AUTOMOBILES SA [FR], et al
• EP 0675272 B1 19970806 - KUHNERT DIETER DR [DE], et al
• DE 2715943 A1 19781012 - BOSCH GMBH ROBERT
• BRONSTEIN, SEMENDJAJEW, MUSIOL, MÜHLIG: "Taschenbuch der Mathematik", 1999, VERLAG, article "Tabelle 3.5", pages: 150 - 151, XP055856565

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)
WO 2018166549 A1 20180920; DE 102017204241 A1 20180920; EP 3420615 A1 20190102; EP 3420615 B1 20210113;
US 11233380 B2 20220125; US 2021135433 A1 20210506

DOCDB simple family (application)
DE 2017200135 W 20171218; DE 102017204241 A 20170314; EP 17842286 A 20171218; US 201716491924 A 20171218