

Title (en)
SPARK PLUG COMPRISING A ROUNDED INSULATOR BASE PORTION

Title (de)
ZÜNDKERZE MIT VERRUNDETEM ISOLATORFUß-ABSCHNITT

Title (fr)
BOUGIE D'ALLUMAGE À PARTIE BEC D'ISOLANT ARRONDIE

Publication
EP 3900128 A1 20211027 (DE)

Application
EP 19824245 A 20191210

Priority
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• EP 2019084395 W 20191210

Abstract (en)
[origin: WO2020126663A1] The invention relates to a spark plug comprising a housing (2), an insulator (3), a centre electrode (4), and a ground electrode (7) located at a combustion-chamber end of the housing. The insulator has an insulator collar (32), an insulator base (34), and a transition region (33) which lies on a shoulder (22) of the housing. A breathing space (50) is formed at the combustion-chamber end of the spark plug and is delimited by a portion (24) of the interior of the housing and a portion (348) of the insulator base. The portion of the insulator base has a (rounded portion 345) having a first side length (L1) and a second side length (L2 < L1) angled with respect to the first side length, wherein the first side length extends between the point at which the side lengths intersect and a first end point (346) of the rounded portion and the second side length extends between the point of intersection and a second end point (347) of the rounded portion. The rounded portion can also be used with a prechamber spark plug.

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