

Title (en)

SPARK PLUG APPARATUS AND INTERNAL COMBUSTION ENGINE IGNITION SYSTEMS INCLUDING SAME

Publication

EP 0520492 A3 19930217 (EN)

Application

EP 92110829 A 19920626

Priority

- IL 9866191 A 19910628
- IL 10025991 A 19911206

Abstract (en)

[origin: EP0520492A2] Spark plug apparatus includes a spark-enhancing construction operative during the time between sparks to create spark-enhancing conditions for the sparks. In one type of construction, a corona wind is produced in the air gap to direct the ignited mixture away from both electrodes in order to reduce heat loss from the ignited mixture by heat transfer to the electrodes. In a second type of construction, a plasma cloud is produced in the air gap enhancing the production of the sparks.

IPC 1-7

H01T 13/50

IPC 8 full level

H01T 13/50 (2006.01)

CPC (source: EP)

H01T 13/50 (2013.01)

Citation (search report)

- [X] FR 2277977 A1 19760206 - TOKAI TRW & CO [JP]
- [X] US 4284054 A 19810818 - KUMAGAI SEIICHIRO, et al
- [A] US 4122816 A 19781031 - FITZGERALD DENNIS J, et al

Cited by

CN107061099A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI NL PT SE

DOCDB simple family (publication)

EP 0520492 A2 19921230; EP 0520492 A3 19930217

DOCDB simple family (application)

EP 92110829 A 19920626