

Title (en)
Ignition coil and assembly method thereof

Title (de)
Zündspule und Verfahren für ihren Zusammenbau

Title (fr)
Bobine d'allumage et son procédé d'assemblage

Publication
EP 1887586 A1 20080213 (EN)

Application
EP 06425581 A 20060809

Priority
EP 06425581 A 20060809

Abstract (en)
An ignition coil (1; 30) for triggering combustion in a controlled ignition endothermic engine displays: a magnetic circuit (2; 31) having a core (5; 32) and a cladding (6; 33); a primary electrical circuit (3) wound around the core (5; 32); a secondary electrical circuit (4) wound around the core (5; 32) and concatenated with the primary electrical circuit (3); at least one air gap (12; 39) defined by the magnetic circuit (2; 31); the magnetic circuit (2; 31) being formed by at least one first part and one second part (7, 8; 34, 35) capable of sliding one with respect to each other to adjust the dimensions of the air gap (12; 39).

IPC 8 full level
H01F 3/14 (2006.01); **H01F 38/12** (2006.01)

CPC (source: EP)
H01F 3/14 (2013.01); **H01F 38/12** (2013.01); **H01F 29/10** (2013.01)

Citation (search report)

- [X] US 4480377 A 19841106 - HOUSE RONNALEE [US], et al
- [X] US 3209294 A 19650928 - CORNELL ARCHIE R
- [X] DE 3402278 A1 19850801 - VOGT GMBH & CO KG [DE]

Cited by
CN107253116A; US10442053B2; DE102012202965A1; US9421659B2

Designated contracting state (EPC)
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AL BA HR MK YU

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