

Title (en)  
Ignition coil

Title (de)  
Zündspule

Title (fr)  
Bobine d'allumage

Publication  
**EP 1542246 B1 20150304 (DE)**

Application  
**EP 04025607 A 20041028**

Priority  
• DE 10357351 A 20031209  
• DE 102004010173 A 20040302

Abstract (en)  
[origin: EP1542246A2] The device has a coil housing (12) of insulating plastic, a magnetically active 1-core (14) enclosed by a first winding (18) connected to a supply voltage and a second winding (22) connected to a high voltage connection and a peripheral core (26) forming a magnetic circuit with the 1-core. At least one conductive plastic section (28) arranged between the coil housing and the peripheral core is electrically connected to the peripheral core and bounds on the coil housing with essentially no air gap.

IPC 8 full level  
**H01F 27/36** (2006.01); **H01F 38/12** (2006.01)

CPC (source: EP US)  
**H01F 27/36** (2013.01 - EP); **H01F 27/363** (2020.08 - EP US); **H01F 38/12** (2013.01 - EP)

Cited by  
CN106128730A

Designated contracting state (EPC)  
DE FR IT

DOCDB simple family (publication)  
**EP 1542246 A2 20050615; EP 1542246 A3 20111116; EP 1542246 B1 20150304**; JP 2005175470 A 20050630; JP 4732742 B2 20110727

DOCDB simple family (application)  
**EP 04025607 A 20041028**; JP 2004344931 A 20041129