

Title (en)  
Ignition unit for combustion engines

Title (de)  
Zündeinheit für Verbrennungsmotoren

Title (fr)  
Unité d'allumage pour moteurs à combustion

Publication  
**EP 0304038 B2 19970423 (DE)**

Application  
**EP 88113365 A 19880817**

Priority  
DE 3727458 A 19870818

Abstract (en)  
[origin: EP0304038A2] On an ignition unit for combustion engines with an ignition coil (10) having a ferro-magnetic core (18) integrated with a spark plug connector (12), arranged about the main core (24) of which is a primary and secondary winding enveloped in an insulating element (26), the ignition coil (10) and the spark plug connector (12) are arranged in relation to one another so that the axial directions of the spark plug connector (12) and the main core (24) of the ignition coil (10) form, at least approximately, a right angle. <IMAGE>

IPC 1-7  
**F02P 13/00**; H01F 30/10; H01F 38/12

IPC 8 full level  
**F02P 13/00** (2006.01); **H01F 38/12** (2006.01)

CPC (source: EP US)  
**F02P 13/00** (2013.01 - EP US); **H01F 38/12** (2013.01 - EP US)

Cited by  
EP0445557A1; AU607875B2; DE3920080A1; EP0443594A1; EP0454598A1; FR2661216A1; DE3939100A1; DE3939100C2; WO9210672A1

Designated contracting state (EPC)  
DE ES FR GB IT SE

DOCDB simple family (publication)  
**EP 0304038 A2 19890222**; **EP 0304038 A3 19890322**; **EP 0304038 B1 19930721**; **EP 0304038 B2 19970423**; DE 3727458 A1 19890302; DE 3727458 C2 19920730; DE 3882459 D1 19930826; ES 2042663 T3 19931216; ES 2042663 T5 19970716; US 5038745 A 19910813

DOCDB simple family (application)  
**EP 88113365 A 19880817**; DE 3727458 A 19870818; DE 3882459 T 19880817; ES 88113365 T 19880817; US 60862490 A 19901106