

Title (en)  
CONTACTLESS MAGNET IGNITION SYSTEM

Publication  
**EP 0131905 A3 19860226 (EN)**

Application  
**EP 84108142 A 19840711**

Priority  
IT 4571983 A 19830715

Abstract (en)  
[origin: EP0131905A2] A contactless magnet ignition system comprises a first core (6) of U-shaped cross-sectional configuration carrying an ignition coil (10, 11) on its central portion (7). A second core (9) carrying a control winding (23) is disposed outside of the primary winding perpendicular to the main axis of the first core (6) and spaced therefrom within the space defined between the legs (8) thereof. A permanent magnet rotor component (3 to 5) is adapted to induce respective voltages at the terminals of the primary winding (10) and the control winding (23). A transistor (19) is controlled by the control winding (23) for interrupting the current flowing through the primary winding (10) so as to induce in the secondary winding (11) a voltage adapted to cause a spark to be generated across a spark plug (12).

IPC 1-7  
**F02P 1/08**

IPC 8 full level  
**F02P 1/02** (2006.01); **F02P 1/08** (2006.01)

CPC (source: EP)  
**F02P 1/02** (2013.01); **F02P 1/083** (2013.01)

Citation (search report)  
• [X] US 4336785 A 19820629 - NEWBERRY RICHARD D  
• [AD] GB 1602329 A 19811111 - MCCULLOCH CORP  
• [A] US 4090488 A 19780523 - OHKI YOSHINORI, et al

Cited by  
EP0741445A3; FR2713719A1; US5265573A; WO9101446A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 0131905 A2 19850123; EP 0131905 A3 19860226**; ES 533388 A0 19850401; ES 8504341 A1 19850401; IT 1195596 B 19881019; IT 8345719 A0 19830715; IT 8345719 A1 19850115

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