



Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) Publication number:

0 131 905
A3

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: 84108142.5

(51) Int. Cl.⁴: F 02 P 1/08

(22) Date of filing: 11.07.84

(30) Priority: 15.07.83 IT 4571983

(71) Applicant: DUCATI ELETTROTECNICA SpA
Via Marco E. Lepido 178
I-40132 Bologna(IT)

(43) Date of publication of application:
23.01.85 Bulletin 85/4

(72) Inventor: Marino, Paolo
Via Leonardo da Vinci 12
I-40055 Castenaso (Bologna)(IT)

(88) Date of deferred publication of search report: 26.02.86

(72) Inventor: Piombini, Vincenzo
Via Scania 77/b
I-40024 Castel San Pietro Terme Bologna(IT)

(84) Designated Contracting States:
AT BE CH DE FR GB IT LI LU NL SE

(72) Inventor: Sevini, Paolo
Via della Pietra 29
I-40132 Bologna(IT)

(74) Representative: Patentanwälte Grünecker, Dr.
Kinkeldey, Dr. Stockmair, Dr. Schumann, Jakob, Dr.
Bezold, Meister, Hilgers, Dr. Meyer-Plath
Maximilianstrasse 58
D-8000 München 22(DE)

(54) **Contactless magnet ignition system.**

(57) 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).

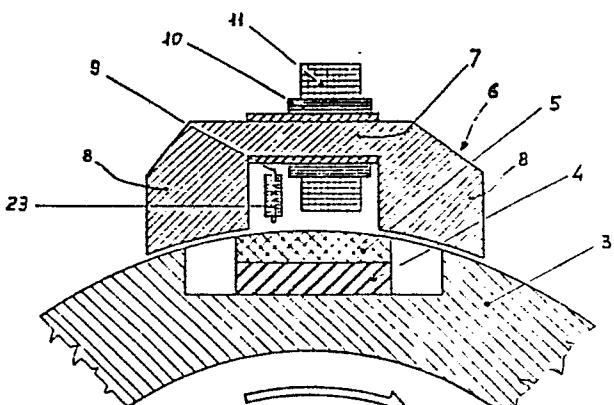


FIG. 1

A3
905 131 0 EP



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl 4)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	US-A-4 336 785 (R.D. NEWBERRY) * Whole document *	1,2	F 02 P 1/08
D, A	GB-A-1 602 329 (McCULLOCH CO.) * Figure 3 *	1,2	
A	US-A-4 090 488 (Y. OHKI et al.) -----		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl 4)
Place of search	Date of completion of the search	Examiner	
THE HAGUE	05-11-1985	LEROUY C.P.	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone	Y : particularly relevant if combined with another document of the same category		
A : technological background	O : non-written disclosure		
P : intermediate document			