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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).

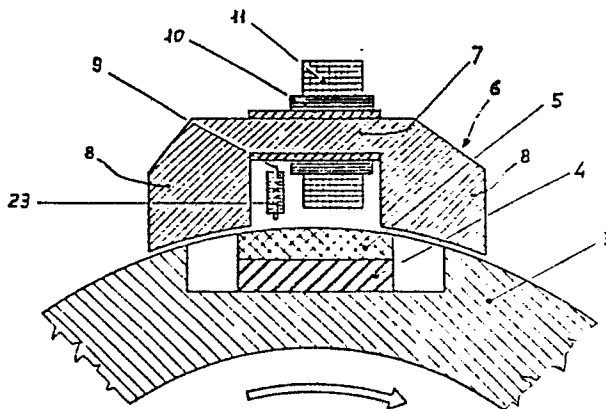


FIG. 1



European Patent  
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# EUROPEAN SEARCH REPORT

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Application number

EP 84 10 8142

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int Cl 4)
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.) -----		
			TECHNICAL FIELDS SEARCHED (Int Cl 4)
			F 02 P
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 05-11-1985	Examiner LEROY C.P.
<b>CATEGORY OF CITED DOCUMENTS</b>			
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		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	