

Title (en)

Switch mode ignition coil driver and method.

Title (de)

Geschalteter Zündspulentreiber und Methode.

Title (fr)

Circuit d'attaque en commutation pour bobine d'allumage et méthode.

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Application

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Priority

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Abstract (en)

A switch mode ignition coil driver includes a means (113) for sensing flyback voltage (195) at the primary winding (103) of the ignition coil (102), and providing a flyback sense voltage (118) indicative of the flyback voltage (195). A means (147) senses current (193) in the primary winding (103) of the ignition coil (102) and provides a current sense voltage (149) indicative of the sensed primary winding current (193). Control means (105,119,129,137,151) is coupled to the means (113) for sensing flyback voltage (195) and the means (147) for sensing current for providing an increasing current through the primary winding (103) of the ignition coil (102) when the flyback sense voltage (118) exceeds a predetermined limit and decreasing this current through the primary winding (103) of the ignition coil (102) when the current sense voltage (149) exceeds another predetermined limit. Further, a corresponding method is disclosed. <IMAGE>

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CPC (source: EP)

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Cited by

EP1885051A3; CN111852718A; CN112912612A; KR100853053B1; KR100869186B1; EP1885051A2; US6792926B2; US6799564B2; WO02099272A1; WO02099273A1

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