

Title (en)  
IGNITION COIL FOR A SPARK IGNITION ENGINE

Title (de)  
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Title (fr)  
BOBINE D'ALLUMAGE CONCUE POUR UN MOTEUR A ALLUMAGE COMMANDE

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Application  
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Abstract (en)  
[origin: WO2005031771A1] The invention relates to an ignition coil (10) for a spark ignition engine comprising a coil core (12) in which a primary magnetic field (Hp) is inducible by means of a primary substantially reel-shaped current-carrying winding (14). The inventive ignition coil (10) comprises a secondary substantially reel-shaped winding (16) in which a power field exciting at least one spark plug (18) can be produced by said primary magnetic field (Hp). A premagnetizing device acts on the coil core (12) in order to generate a bias magnetic field (Hp) which is opposite to the primary magnetic field (Hp). According to said invention, the premagnetizing device is provided with a bias magnetising substantially reel-shaped current-carrying winding (20).

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