

Title (en)

INDUCTIVE IGNITION SYSTEM, IN PARTICULAR FOR INFANTRY ARMS

Title (de)

INDUKTIVES ZÜNDSYSTEM, INSBESONDERE FÜR INFANTERIEWAFFEN

Title (fr)

SYSTEME D'ALLUMAGE PAR INDUCTION, NOTAMMENT POUR ARMES D'INFANTERIE

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Application

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Abstract (en)

[origin: US6269728B1] The invention relates to an inductive ignition system, in particular for infantry weapons, having a primary coil (2) which cooperates inductively with a secondary coil (3) in the ignition system of cartridge (4) and which transmits the firing energy that is required for the ignition. For the necessary firing energy to be produced and made available internally, that is with additional supply, the invention proposes fitting a weapon breechblock component (5), displaceable from a cocked position to a firing position, in the weapon housing (1) in which is located the primary coil (2), and that, for production of the ignition energy, an inductive power generator (6) is provided whose coil system (7) is fitted in the weapon breechblock component (5) and whose magnet system (8) is fitted in the weapon housing (1). On displacing the weapon breechblock component (5) from the cocked position to the firing position, the coil system slides pass the magnet system (8) and induces the necessary ignition energy in the coil system (7).

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