

Title (en)
ELECTRIC SOLENOID AND USE OF AN ELECTRIC SOLENOID

Title (de)
ELEKTROSPULE UND VERWENDUNG EINER ELEKTROSPULE

Title (fr)
BOBINE ÉLECTRIQUE ET UTILISATION D'UNE BOBINE ÉLECTRIQUE

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Abstract (en)
[origin: WO2015090964A1] The invention relates to an electric solenoid (10) comprising at least one solenoid body (11) and a magnet wire (25; 25a) surrounding the solenoid body (11) in the form of at least one winding on a peripheral surface (16) of said solenoid body (11), the magnet wire (25; 25a) consisting of an electrically conductive wire core (23) and an insulation layer (26) which at least partially surrounds the wire core (23). According to the invention, the wire core (23) consists of aluminium (21) and graphene (22) which is in electrically conductive contact with the aluminium (21).

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