

The invention relates to the field of metallurgy, in particular to the structure of the multifunctional plant for magnetothermochemical treatment of metal articles in powerful magnetic fields. The plant contains rectifiers block and solenoid conjoint by means of switching center. Furthermore the mentioned plant additionally contains program block for ascertainment of long-termness and relative current pulse duration of solenoid power supplying and thermal chamber, switching center inlet is united with rectifiers block, and its outlet through program block is united with solenoid in which thermal chamber with magneto-transparent container and chemically active medium of prescribed composition is located, and articles which are subject to magnetothermochemical treatment. The invention provides increasing of physicommechanical properties of the articles – durability, heat-resistance and corrosion-resistance.