

Title (en)

METHOD AND EQUIPMENT FOR GENERATING A GAS PLASMA BALL

Title (de)

VERFAHREN UND GERÄTE ZUR ERZEUGUNG EINER GASPLASMAKUGEL

Title (fr)

PROCEDE ET EQUIPEMENT PERMETTANT DE GENERER UNE BOULE DE PLASMA GAZEUX

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Application

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Abstract (en)

[origin: WO2004023853A1] The present invention discloses an improved method for generating a statically charged plasma ball in a reactor wherein gas or a mixture of gases in at least partly ionized condition blown to the reactor through nozzles and whereby the gas/mixture of gases is brought into rotation, whereby there is created a magnetic field due to the rotation and whereby energy is fed to the gas in the stabilization phase of the plasma ball. It is possible to lower the working temperature so that in the starting period of the reactor mainly burning is used for the energy source and after stabilizing of the running of the reactor, highly charged and ionized gas is used mainly as the energy source. The invention also relates to nozzles used for obtaining the highly ionized gases.

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