

METHOD AND SYSTEM FOR APPLYING SUPERIMPOSED TIME-VARYING FREQUENCY ELECTROMAGNETIC WAVE TO TARGET OBJECT OR TARGET REGION

Abstract

The invention relates to a system for applying a superimposed time-varying frequency electromagnetic wave to a target object or a target region that is formed by the target object and a medium surrounding the target object, comprising a device for generating a superimposed time-varying frequency electromagnetic wave where the time-varying AC wave is riding on the predefined DC bias voltage. When applied to the object or region, the superimposed time-varying frequency electromagnetic wave is able to induce a flow of ionic current having a DC component traveling in a pulsating and time-varying manner in the target object and/or in the medium and effect induced vibration of electrons and molecules of the target object and the medium. The invention also relates to a method applying a superimposed time-varying frequency electromagnetic wave to a target object or a target region. The method and the system of the invention significantly reduce the capital cost and require very low energy, with the environmentally friendly final products, and are able to result in various treatment effects simultaneously.

Fig. 1