

<p style="text-align: center;">RUSSIAN FEDERATION</p>  <p style="text-align: center;">FEDERAL SERVICE FOR INTELLECTUAL PROPERTY</p> <p>(12) <b>ABSTRACT OF INVENTION</b></p>	<p>(19) <b>RU</b><sup>(11)</sup> <b>2 766 002</b><sup>(13)</sup> <b>C1</b></p> <p>(51) Int. Cl. <b>A61N 5/00</b> (2006.01)</p>
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(54) **METHOD FOR SUPPRESSION OF VITAL ACTIVITY OF PATHOGENIC MICROORGANISMS AND VIRUSES BY ELECTROMAGNETIC RADIATION**

(57) Abstract:

FIELD: medicine; veterinary medicine; agriculture.

SUBSTANCE: invention relates to medicine, veterinary medicine and agriculture and can be used for the therapeutic effect of gigahertz and terahertz radiation of biological objects, in particular, in the treatment of inflammatory and viral diseases, post-surgery complications of humans and animals, as well as for disinfection of objects, premises and disinfection of crops. A method for suppressing the vital activity of pathogenic microorganisms and viruses by electromagnetic irradiation includes: detection of the radiation spectrum of pathogenic microorganisms or viruses and the following exposure of a biological object to the pulsed electromagnetic radiation, the spectrum of which corresponds to a specified radiation spectrum of pathogenic microorganisms or viruses, in the sub-terahertz and terahertz bands with a pulse repetition frequency from 100 to 150 Hz, with variable polarization of electromagnetic waves.

EFFECT: invention makes it possible to increase the efficiency of the process of suppressing the vital activity of pathogenic microorganisms and viruses, which is achieved by the fast adjusting to inactivate certain pathogenic microorganisms or viruses, as well as to provide therapeutic effects simultaneously for several persons (animals, plants) in the same room/open space, effectiveness of exposure is also increased due to the use of electromagnetic irradiation with variable polarization of electromagnetic waves.

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adiation is non-contact (distant).