A LARGE CAPACITY AIR PURIFIER FROM PATHOGENS IN AEROSOLS

INNOVATIVE TECHNOLOGY

A new method of air sterilization and a device that will allow to easily and reliably destroy or deactivate pathogens contained in the air in a large volume, without any unwanted effects on the environment with the presence of people and animals.

AREA OF APPLICATION

Wide use in many areas where prevention of aerosol infection is necessary - in hospitals, schools, cinemas and theaters, gymnasiums, congress halls, and restaurants, but also in closed production areas with a significant movement of personnel or in transport (trains, planes, buses), etc.

STAGE OF PROTECTION AND DEVELOPMENT

- prototype ready for demonstration
- functionality verified in laboratory conditions
- utility model application (PUV 50008-2022)



COMPETITIVE ADVANTAGE

- high flow capacity of the device with minimal energy requirements;
- no need for an operator, it can work autonomously and continuously;
- low noise level (below 40dB);
- low requirements for regular operation maintenance;
- without any filters or components with a limited lifespan, compared to purifiers using UV radiation or ozone;
- does not cause overheating of the surrounding air, nor does it dry it out;
- suitable for decontamination of premises from human coronaviruses (e. g. SARS-CoV-2).

SCIENTIFIC TEAM

The following partners were involved in the development of the technology: Institute of Materials and Machine Mechanics SAS and Biomedical research center SAS.

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WE ARE LOOKING
FOR A PARTNER FOR
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SELLING THE
TECHNOLOGY

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