

Air purification system to remove 99,9% of airborne viruses

Summary

Profile type	Company's country	POD reference
Technology offer	Austria	TOAT20220607017
Profile status	Type of partnership	Targeted countries
PUBLISHED	Commercial agreement with technical assistance	• World
Contact Person	Term of validity	Last update
Mario WEIKENKAS	7/6/2022 7/6/2023	13/07/2022

General Information

Short summary

An Austrian company has developed a new standard for active air disinfection with removal capabilities of airborne viruses (including SARS-CoV-2) and unique safety properties without generating any ozone or NOx during operation. The company is looking for manufacturers of air purification systems willing to adopt the technology into their products under a business cooperation agreement with technical assistance.

Full description

The Austrian SME is based in the Region of Tyrol, specialized in high-tech thermal systems and has different patents granted. In the frame of an EU granted project the company developed a ready to market air disinfection technology. The system is based on an electrode buildup of defined dimension and airflow rate and has been tested and certificated in 2021 by the Aerosol Research and Engineering Labs in North-America.

The developed technology is characterized by highly flexible installation possibilities, which enables easy replacement of conventional components used for active air disinfection, such as UV-C lights, with the developed electrodes, without the need for significant design changes to the existing system layout.

The Austrian SME is offering a business cooperation agreement with technical transfer assistance and is looking for manufacturers of air purification systems. Potential application fields could be hospital facilities, airplanes, or elevator systems.

Advantages and innovations

The proposed system by the Austrian SME obtained a removal rate of airborne viruses of 99,999% and is free of ozone and/or NOx emissions. Other comparable systems available on the market are either mostly suitable for surface cleaning and have a low efficiency for air disinfection.

Stage of development

Available for demonstration

IPR Status

No IPR applied

Sustainable Development goals

• **Goal 3: Good Health and Well-being**

Partner Sought

Expected role of the partner

Around 85% of manufacturers of air disinfection systems use HEPA, UV or ionisation - the proposed system offer the opportunity to cooperation partners to upgrade to a new, more powerful and safer (no ozone) technology that gives the manufacturer a new USP over its competitors. Therefore the Austrian SME is looking for air disinfection device manufacturers that wants to implement the technology into their product portfolio.

Type of partnership

Commercial agreement with technical assistance

Type and size of the partner

- **SME 11-49**
- **SME <=10**
- **Big company**
- **SME 50 - 249**

Dissemination

Technology keywords

• **03003 - Apparatus Engineering**

Market keywords

• **08004001 - Air filters and air purification and monitoring equipment**

Targeted countries

• **World**

Sector groups involved

Media

Images



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1