Air flow with ultraviolet radiation barrier for sanitizing environments

UNIVERSITÀ DEGLI STUDI FIRENZE

INVENTORS: Giovanni Romano
Franco Fusi
Guido Toci
Barbara Patrizi

CO-OWNERS: CNR – INO Istituto Nazionale di Ottica

PATENT STATUS: Filed

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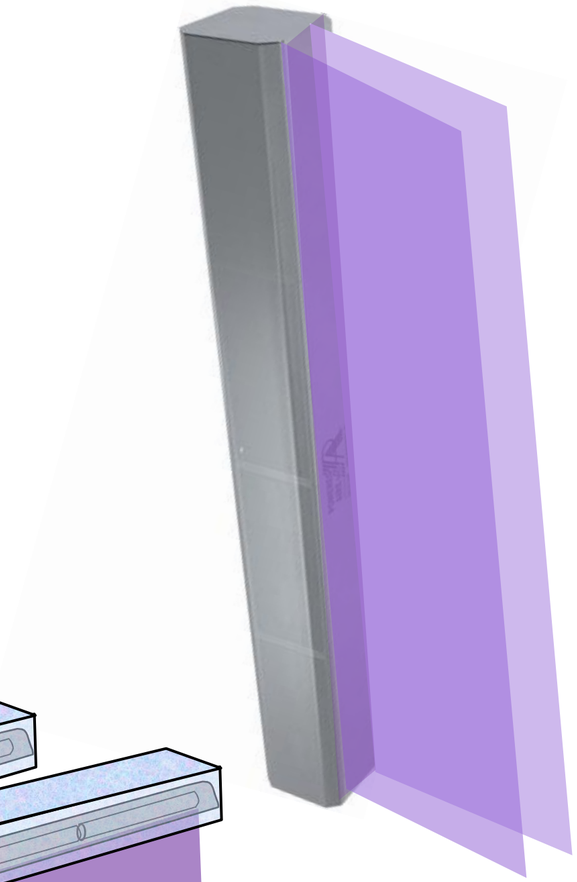
Invention

- **It arises** from the collaboration between the University of Florence and the National Institute of Optics
- **General applications:** public health, devices for antimicrobial sterilization
- **Specific application**: photo-sterilization of SARS-Cov-2
- **Idea in brief:** vertical barrier of UVC rays, interposed between people in a static position
- **Advantages in brief:** compatible with the presence of the people themselves, safe

Drawings & pictures

Examples:

- Offices, restaurants, canteens, public establishments
- Cinemas, theaters, etc.
- Public transportation systems
- Warehouses, cold rooms, stables



Industrial applications

Competitive Advantages

- continuously sanitizing of closed environments
- Compatible with the presence of people
- No dead times or restrictions of use during the sanification process

A safe system

- Presence sensors
- UVC much safer than UVA, UVB

Addressees:

- R&D, production, marketing:
- Companies of the biomedical, sanification and public health sectors
- Companies of the photonics, optics and lighting sectors

Users:

- Companies of the public and private sectors with needs of environmental sanification
- Public Administration, Public Health, Nursing Homes

Inventors

Prof. Giovanni Romano, Univ. Florence

Dr. Guido Toci, CNR-INO

Prof. Franco Fusi, Univ. Florence

Dr. Barbara Patrizi, CNR-INO

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CNR-INO
ISTITUTO NAZIONALE DI OTTICA
CONSIGLIO NAZIONALE DELLE RICERCHE

Possible Developments

- TRL 2 – 3
- Currently benefiting from a Tuscany Region funding (SAVES US project)
- Prototipation
- Safety and efficacy tests
- Patent available by exclusive or non-exclusive licence
- Inventors available for R&D and consulting activities

For more information

Office for Technological Transfer, University of Florence

Headquarters: Piazza S. Marco 4 – 50121 Florence

web: www.unifi.it

E-mail: brevetti@unifi.it

For more information

Office for Technological Transfer, Tuscany Region

Headquarters: Via Luigi Carlo Farini, 8 50121 Florence

E-mail: urtt@regione.toscana.it

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