

Dokat, Inc Invents A Novel Technology 'Deep UV-C' To Fight COVID & Other Airborne Diseases

The DOKAT research team collectively has 22 patents to their credit. The new addition is the DEEP UV-C technology



Chicago, Aug 5, 2020 ([Issuewire.com](https://www.issuewire.com)) - Dokat, Inc is a Biotech Research & Manufacturing company based out of Chicago, USA. Their research team led by Ram Chella, the CEO & Chief Architect, recently invented 'Dokat Air - a Made in India Deep UV-C Air Sanitizer', a patent-pending novel product with better germ-killing efficiency than other Air purifiers in the market.

The DOKAT research team collectively has 22 patents to their credit. The new addition is the DEEP UV-C technology. The team has worked dedicatedly to clear stringent safety and quality measures successfully. They have met international regulatory standards and obtained ISO 9000:2015, European CE (conformity with health, safety, and environmental protection standards) and FCC (US standard for electronic products) certifications.

Ram Chella explaining the technology behind Dokat Air - https://youtu.be/aXs_f8PW6sg

Given the rapid spread of pandemic, people are more prone to contracting infections indoors than outdoors. Reopening of educational institutes, businesses, restaurants, religious centers, and commercial places is a big concern. The world needs an efficient disinfecting solution to tackle the pandemic in addition to social distancing and face coverings.

Regular Air purifiers only filter pollutants. They are not effective in killing germs. HVAC and ACs do not kill germs as well, instead they enhance the spread of germs. That's why every closed indoor needs to have an 'Air Sanitizer' to prevent the spread of airborne pathogens, including the Novel Coronavirus.

Dokat's DEEP UV-C technology kills disease-causing microorganisms like Bacteria, Molds, Fungus, Viruses, including COVID family of viruses, better than any other existing technologies in the market. It kills 99.99% of germs within 15 minutes in indoor air.

Dr. David Brenner, director of the Center for Radiological Research at Columbia University, **reported the first-ever demonstrated test of ultraviolet that efficiently killed the virus that causes COVID-19.**

On June 12, 2020 New York City transit officials demonstrated the ultraviolet technology killing COVID-19 on a subway in a pilot program to disinfect entire train. According to the CDC (Centers for Disease Control and Prevention) guideline for healthcare facilities, Ultraviolet radiation can be used for sterilization because it can kill microscopic organisms like bacteria and viruses. It has also been used to disinfect drinking water, air and contact lenses.

Problems in UV-C Technology that exist today:

The germicidal properties of UV-C are at their peak at different wavelengths. Normal UV-C

Based germicidal devices use a single wavelength of UV-C. So, any pathogen that has

Resistance to the particular wavelength could still survive after the sanitization process is

Complete.

Dokat Air Deep UV-C Technology - How is it better than traditional UV-C technology?

To overcome the existing UV-C efficacy problem and provide broader coverage of killing various pathogens, Dokat has invented a technology called 'Deep UV-C'. It generates multiple wavelengths of UV-C spectrum in a single bulb to maximize the germicidal efficacy. Because the spectrum is so broad, it covers multiple highly efficient germicidal wavelengths. Dokat Air has high efficacy against a wide range of infectious microorganisms.

Dokat Air - How it works?

In Dokat Air, the air gets sanitized with the novel Deep UV-C disinfection technology, as it circulates through the enclosed chamber. It is 100% UV leak proof. Certified by accredited third party laboratory. [Proof attached]

Dokat Air sanitizes 1000 cubic ft of air within 15 minutes. [Proof attached]

Technology Highlights

Designed in Chicago, USA & Made in India

DEEP UV-C has better efficiency in killing germs than other air sanitizing equipment.

Kills 99.99% germs including COVID family of viruses

100% UV leak proof. No side effects, safe for people to use when people are around.

No chemical, no noise operation.

No Installation needed. Simple plug in and use design.

DOKAT
factory &
products



DOKAT Air Sanitizer

Our "Deep UV germicidal irradiation technology" kills disease causing germs from the air and makes it safer for people indoors.

Sanitizes 1000-cubic feet of air within 15 mins. Kills 99.99% germs.

Certified & Authorized ISO 9001 FCC CE

The NEW CORONA VIRUS Can Survive Up to 16 Hours Suspended in The Air

Source: "Persistence of Severe Acute Respiratory Syndrome Coronavirus 2 in Aerosol Suspensions," July 2020

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