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MANAGEMENT CONSULTING SERVICES

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ENVIROPROCESS CONSULTANTS, INC. FILES COVID-19 PATENTS FOR NINE NEW CLASSES OF ULTRAVIOLET DISINFECTION PRODUCTS FOR AIR AND SURFACES IN PERSONAL, CONSUMER, AND RETAIL SPACES

Rancho Palos Verdes, CA (10 July 2020) – Today EnviroProcess Consultant, Inc. filed multiple claims and utility patent applications including 6 novel inventions to use ultraviolet (UV) light to continuously disinfect air and surfaces in a myriad of applications, in the presence of people and without direct exposure:

- Indoors for restaurants, offices, schools, gyms, airports and airplanes, trains and buses, and personal vehicles;
- Retail transaction points, seated events between groups (movie theaters, arenas), ATMs and keypads/touchscreens, elevators, and gas pumps; and
- Personal use with hand-held devices and 3-D disinfection chambers.

According to Mr. Neeraj Chaudhary, Business Analyst at **EP Consultants**, these inventions will quickly lead to "affordable consumer and commercial products to accelerate the safe reopening of economies, while providing necessary peace of mind as people return to a state of normal in homes, offices, schools, retail and entertainment establishments, and transportation systems."

Recent studies at Columbia University and others, including Philips/Signify, have proven that low-wavelength UV light, known as UVC, at the right wavelength and intensity, achieves 99.9%+ inactivation of Covid-19 in air and surfaces. UV disinfection technology has been used for over 100 years in many applications including hospitals, laboratories, and water treatment facilities.

Prior research has established that UVC is effective at disinfecting all known coronaviruses and most biological pathogens including bacteria and viruses. Researchers have found that low UVC wavelengths at 222 nm and below have no observable effect on living cells, even at prolonged exposures and high intensities. **EP Consultants**' products are designed with a 100x safety margin for acceptable exposures as established by FCC for devices such as cell phones.

EP Consultants' **Lo-UV**™ product line includes personal and installed devices to disinfect surfaces and air while people are present and conducting their normal activities, **without direct human exposure**. In addition to using a benign wavelength range and a >100x safety factor, the Lo-UV™ products include motion, body temperature, tilt, distance sensors, and algorithms including a mobile app to automatically control and monitor operation of the devices.

These inventions were designed in America and Mr. Anu Sood, Principal at **EP Consultants**, states "the products can easily be 100% manufactured in the United States." **EP Consultants** is now actively seeking business and governmental partners to continue research and development, create prototypes, secure international patents, and establish a manufacturing and distribution pipeline.

EP Consultants is a broad-based environmental research and consulting company, with over 30 years of experience with air quality, disinfection and pollution control, transport/fate analysis, and environmental risk assessment. Our clients include Continental Airlines, US naval bases, Los Alamos National Lab, Santa Fe Railway, Huntsman Corporation, Clean Harbors, Los Angeles USD, and small businesses such as dry cleaners, foundries, and aerospace parts manufacturers.

Upon the advent of Covid-19, **EP Consultants** formulated a proprietary system with UVC lights to disinfect public spaces including the air people breathe and surfaces that they touch. We quickly assembled a team from MIT, Boston University, and Caltech to determine the unique UVC light wavelengths that are most effective at pathogen disinfection while maximizing public safety. Selected medical, photonics, and engineering experts were tapped to incorporate novel features to ensure safety and effectiveness for our **Lo-UV**™ product line.

To assure the highest quality design and functionality for the **Lo-UV**™ product line, we retained a team of intellectual property experts to craft and submit utility patent applications based on the **EP Consultants** product configurations, complete with operational parameters, sensors and algorithms, and a mobile app to operate and maintain the **Lo-UV**™ products.

Key members of our **Lo-UV**™ project team:

Name/Project Role	Affiliation	Education	Notes
Anu Sood Project Manager	Principal, **EP Consultants**	MIT – MS, BS	Professional Engineer, primary inventor.
Anthony Griffiths Lead Researcher	Associate Professor, Boston University	Univ of Cambridge – PhD Univ of Reading - BS	School of Medicine.
Lev Bromberg Research Advisor	Research Scientist, MIT	Moscow State Univ – PhD	Professor T. Alan Hatton Group (chemical engineering).
Neeraj Chaudhary Business Analyst	Associate, **EP Consultants**	UC Berkeley - BA	Co-inventor.
Danish Khatri Lead Engineer	Principal Engineer, Semiconductors	MIT – ME, BS	Electrical engineer.
Sandy Seth Lead Counsel	Principal, Sethlaw PLLC	Univ of Houston - JD UT Austin - BS	General counsel.
Roy Sharma QA Engineer	Systems Engineer, Boeing	Loyola Marymount University – MS, MBA	Testing and verification of safety and effectiveness.
John Holcomb Former Senior IP Advisor	Partner, Greenberg Gross LLP *	Harvard - JD, MBA MIT - BS	* Former affiliation.

Please direct inquiries to **EP Consultants** at *Lo-UV@epconsultants.net*.

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