

# Nureva granted new patent for embedding additional information in a sound mask noise signal

## **USPTO recognizes company's groundbreaking Microphone Mist™ technology platform with fourth patent**

Calgary, Alberta --- January 16, 2020 --- Nureva Inc., an award-winning collaboration-solutions company, announces that the U.S. Patent and Trademark Office has issued patent number 10,499,151 for embedding additional information in a sound mask noise signal. This is the company's fourth patent for its [Microphone Mist technology](#) platform, which powers its [HDL300 audio conferencing systems](#) and the [HDL200 system](#) that was [announced](#) earlier this week. The patent describes the ability of the microphone and speaker system to create a continuous sound mask signal that enables an impulse response measurement for each microphone and speaker combination in real time. This allows the system to instantly autocalibrate the multichannel echo canceler for each speaker to microphone combination and provide continuous, real-time, in-room impulse response measurements. Unlike competing products, Nureva audio systems maintain consistent performance by automatically and continuously adapting to changes in room configurations or a change in the location of the Nureva system itself. For example, no manual recalibration is required by IT staff or a service technician when furniture or mobile walls are moved to accommodate varying meeting scenarios.

This patent is the latest addition to Nureva's active and growing intellectual property portfolio in support of its Microphone Mist technology platform, and it comes on the heels of three other patents [announced](#) in the fall last year. These patents provide clear evidence that the Microphone Mist technology platform stands apart from traditional technologies like beamforming and omnidirectional microphones. Microphone Mist technology uses sophisticated algorithms to simultaneously process sound from all virtual microphones to provide remote participants with a high-quality listening experience, enabled by continuous autocalibration, simultaneous echo cancellation, position-based automatic gain control and sound masking. These innovations align with Nureva's strategy of leveraging its intellectual property to create products that break new ground in helping teams collaborate more effectively. Visit the [patents page](#) on Nureva's website for a full list of patents.

"Our family of Microphone Mist technology patents reflects Nureva's continued investment in a rich and multilayered platform with plenty of runway for future developments," said Nancy Knowlton, Nureva's CEO. "The acknowledgement of our inventions by the USTPO is very exciting as we continue to explore unique ways of making the lives of our customers easier and more productive."

### **Images**

[Download images](#) of Nureva audio systems.

### **About Microphone Mist technology**

Nureva's patented Microphone Mist technology places thousands of virtual microphones throughout a space to pick up sound from any location to ensure that everyone is clearly heard regardless of where they are in the room or the

direction they are facing. Users also have the option to limit audio pickup to a specific zone within a space, such as the front of the room, making it ideal for corporate presentation scenarios and lecture capture in higher education. The technology uses sophisticated algorithms to simultaneously process sound from all virtual microphones to provide remote participants with a high-quality listening experience, enabled by continuous autocalibration, simultaneous echo cancellation, position-based automatic gain control and sound masking. Microphone Mist technology adjusts the sound source level to work with Microsoft® Teams, Skype® for Business, Zoom, Bluejeans, Cisco® Spark, Cisco WebEx®, GoToMeeting®, Pexip® Infinity Connect and other common UC&C applications. For more information, visit the [Microphone Mist technology section](#) on Nureva's website.

### **About Nureva**

Nureva Inc. is a technology-rich, multiple award-winning private company that imagines and builds solutions that make it easy to unlock the collaborative potential of diverse teams around the globe. For businesses, this means enabling the group creative processes that are used to solve problems and develop breakthrough ideas that drive organizational advantage. In higher education, it means enabling collaborative activities that deepen learning and equip students with the skills required for future success. A passion for deep customer understanding and a commitment to innovation drive the company's product roadmap. For more information, visit [Nureva's website](#) and follow [@NurevaInc](#).

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