



NEWS RELEASE

Voyager Secures Breakthrough Patent for Orbital Optical Communications Manufacturing

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Ultra-pure materials unlock cleaner, faster optical performance for data centers, fiber networks and emerging space systems

DENVER--(BUSINESS WIRE)-- Voyager Technologies [NYSE: VOYG] has been awarded a patent for an extraterrestrial manufacturing method that produces larger, purer crystals essential to high-performance optical communications – the backbone of Earth’s data centers and the AI-driven global economy. By harnessing microgravity, the patented process delivers material performance beyond what is possible on Earth.

“Optical networks depend on fibers fabricated from crystal structures that are as perfect as materials science can make them,” said Dylan Taylor, chairman and CEO of Voyager Technologies. “This patent underscores our drive to use microgravity to deliver real benefits on Earth and beyond. Ultra-pure, wavelength-engineered crystals are the foundation for faster, cleaner and more resilient optical communications, whether in data centers on the ground or networks in orbit.”

The patented approach allows Voyager to grow crystals that precisely match a specific optical wavelength, producing only the desired signal band with no interference or unintended spectral artifacts. This breakthrough enables unprecedented performance, where higher crystal quality directly improves signal stability and reduces error rates in high-bandwidth systems that support AI and cloud computing.

The patented process uses long-duration microgravity to grow larger and purer crystals free of defects that typically form when crystals grow in stacked layers on Earth. Voyager’s method keeps all seed material in constant motion during ground handling to prevent premature formation, with growth triggered only after reaching microgravity.

Voyager will fly samples to the International Space Station in spring 2026 to validate the method with a grant through the ISS National Laboratory. Patent partners include experts at the New Jersey Institute of Technology, New York University and Universities Space Research Association.

About Voyager Technologies

Voyager is a defense and space technology company committed to advancing and delivering transformative, mission-critical solutions. By tackling the most complex challenges, Voyager aims to unlock new frontiers for human progress, fortify national security and protect critical assets from ground to space. For more information visit:

<https://voyagertechnologies.com/>

Cautionary Statement Concerning Forward-Looking Statements

This press release contains "forward-looking statements." All statements, other than statements of historical fact, including those with respect to Voyager Technologies, Inc.'s (the "Company's") mission statement and growth strategy, are "forward-looking statements." Although the Company's management believes that such forward-looking statements are reasonable, it cannot guarantee that such expectations are, or will be, correct. These forward-looking statements involve many risks and uncertainties, which could cause the Company's future results to differ materially from those anticipated. Potential risks and uncertainties include, among others, general economic conditions and conditions affecting the industries in which the Company operates; the uncertainty of regulatory requirements and approvals; and the ability to obtain necessary financing on acceptable terms or at all. Readers should not place any undue reliance on forward-looking statements since they involve these known and unknown uncertainties and other factors which are, in some cases, beyond the Company's control and which could, and likely will, materially affect actual results, levels of activity, performance or achievements. Any forward-looking statement reflects the Company's current views with respect to future events and is subject to these and other risks, uncertainties and assumptions relating to operations, results of operations, growth strategy and liquidity. The Company assumes no obligation to publicly update or revise these forward-looking statements for any reason, or to update the reasons that actual results could differ materially from those anticipated in these forward-looking statements, even if new information becomes available in the future.

Media Contact:

Dana Carroll, VP Marketing & Communications

dana.carroll@voyagertechnologies.com

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