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Evolv Technology Weapons Detection Patent Underscores Culture of Innovation

The patent recognizes the unique methods Evolv uses to classify objects

WALTHAM, Mass.--(BUSINESS WIRE)-- Evolv Technology (NASDAQ: EVLV), a leading security technology company pioneering AI-based screening to create safer experiences, was awarded a patent issued by the United States Patent and Trademark Office (USPTO) that covers the differentiating technology used in its flagship product, [Evolv Express®](#). Integrated as a concealed weapons detection layer in a venue's overall safety plan, the Evolv Express weapons detection system, is deployed in over a thousand stadiums, theme parks, schools, hospitals and other public spaces around the world.

Awarded in several other countries in addition to in the U.S., the patent, Personnel Inspection with Threat Detection and Discrimination (U.S. Patent No. 11,568,734), was granted last year and applies to the technology that classifies objects as threats or non-threats using radio frequency (RF) electromagnetic data. The patent builds on the company's growing patent portfolio related to its threat detection technology both in the U.S. and internationally. The company owns over 30 issued U.S. and foreign patents and has numerous pending or allowed patent applications.

"The technology covered by this patent is foundational to Evolv Express and what we believe sets us apart from other weapons detection systems," said Michael Ellenbogen, co-founder and chief innovation officer at Evolv Technology. "The patent reminds us how important innovation is to drive advancement in the physical security industry, which, until Evolv Express, had remained relatively unchanged over the past 100 years. We plan to continue creating new solutions for security professionals and venue operators to help them protect places and people."

Introduced in 2019, Evolv Express uses advanced sensor technology and AI to pinpoint and distinguish a wide variety of potential threats from many common everyday items, such as phones and keys. Evolv Express is designed to screen visitors effectively while helping minimize congestion and disruptions to traffic flow at entry points. When a threat is detected, the connected Evolv tablet displays an image of the individual who alerted and places a "Red Box" on the potential threat's location(s).

In addition to the patented technology, other notable innovations behind Evolv Express include technology to process RF electromagnetic data across multiple frequencies to detect size, composition, and shape of metal objects while in motion, and technology to process hundreds of thousands of sensor data points for each individual passing through the system.

Ellenbogen continued: "We believe our growing roster of more than 800 customers globally is proof of Evolv's market leadership and the efficacy of Evolv Express. Our customers' validation of our technology is a significant achievement and one that I expect will accelerate widespread adoption of a dignified and consistent security screening process."

Since its debut, Evolv Express has received a number of accolades including the U.S. Department of Homeland Security (DHS) [SAFETY Act Designation](#) as a Qualified Anti-Terrorism Technology (QATT). Most recently, it [received a Platinum designation](#) in the Screening Equipment category in *Campus Security Today's* Secure Campus Awards as well as the [winner of the 2024 "Best in Sports Technology" and "Best in Fan Experience Technology"](#) by *Sports Business Journal*.

Evolv Express screens more than one million people daily, and customers are using the system to tag, on average, more than 500 firearms every day. The company has partnered with leading sports and performing arts venues, theme parks, casinos, schools, hospitals, and places of worship globally.

About Evolv Technology

Evolv Technology (NASDAQ: EVLV) is transforming human security to make a safer, faster, and better experience for the world's most iconic venues and companies as well as schools, hospitals, and public spaces, using industry leading artificial intelligence (AI)-powered weapons detection and analytics. Its mission is to transform security to create a safer world to work, learn, and play. Evolv has digitally transformed the gateways in places where people gather by enabling seamless integration combined with powerful analytics and insights. Evolv's advanced systems have scanned more than a billion people since 2019. Evolv has been awarded the U.S. Department of Homeland Security (DHS) SAFETY Act Designation as a Qualified Anti-Terrorism Technology (QATT) as well as the Security Industry Association (SIA) New Products and Solutions (NPS) Award in the Law Enforcement/Public Safety/Guarding Systems category. Evolv®, Evolv Express®, Evolv Insights®, Evolv Cortex AI®, and Evolv Visual Gun Detection™ are registered trademarks or trademarks of Evolv Technologies, Inc. in the United States and other jurisdictions. For more information, visit <https://evolvtechnology.com>.

Forward-looking Statements

Certain statements in this press release may constitute "forward-looking" statements and information, within the meaning of Section 27A of the Securities Act of 1933, Section 21E of the Securities Exchange Act of 1934, and the safe harbor provisions of the U.S. Private Securities Litigation Reform Act of 1995 that relate to our current expectations and views of future events. In some cases, these forward-looking statements can be identified by words or phrases such as "may," "will," "expect," "anticipate," "aim," "estimate," "intend," "plan," "believe," "potential," "continue," "is/are likely to" or other similar expressions. These forward-looking statements are subject to risks, uncertainties and assumptions, some of which are beyond our control. In addition, these forward-looking statements reflect our current views with respect to future events or our Company's performance and are not a guarantee of future performance. Actual outcomes may differ materially from the information contained in the forward-looking statements as a result of a number of factors, including, without limitation, the risk factors set forth in our Annual Report on Form 10-K for the year ended on December 31, 2023, that was filed with the SEC on February 29, 2024, as may be updated in other filings we make with the SEC, including our Quarterly Report on Form 10-Q for the quarter ended on June 30, 2024 that was filed with the SEC on August 8, 2024. These statements reflect management's current expectations regarding future events and operating performance and speak only as of the date of this press release. You should not put undue reliance on any forward-looking statements. Although we believe that the expectations reflected in the forward-looking statements are reasonable, we cannot guarantee that future results, levels of activity, performance and events and circumstances reflected in the forward-looking statements will be achieved or will occur. Except as required by law, we undertake no obligation to update or revise publicly any forward-looking statements, whether

as a result of new information, future events or otherwise, after the date on which the statements are made or to reflect the occurrence of unanticipated events.

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