

# Plymouth Rock Technologies Issued Patent for Advanced Threat Screening Technology

Plymouth, Massachusetts--(Newsfile Corp. - June 25, 2020) - **Plymouth Rock Technologies Inc.** (CSE: PRT) (OTCQB: PLRTF) (FSE: 4XA) (WKN# A2N8RH) ("**Plymouth Rock**", "PRT", or the "**Company**") a leader in the development of cutting-edge threat detection technologies, is pleased to announce the issuance by the UK Patent Office of patent **PM333755GB** that covers the utilization of millimeter wave (MMW) technologies for fast, contactless screening of passengers and individuals in highly secure environments.

Harmless MMW technology is used in almost all airports in a portal form to safely screen people, providing a greater degree of search intelligence. This patent is one of the first of its kind to be issued where MMW technologies are utilized to penetrate various footwear materials.

Launched in 2019, the US Department of Homeland Security (DHS) Science & Technology Apex Screening at Speed program is about systematically developing technologies for passenger screening by leveraging existing state-of-the-art technologies from industry, academia, national laboratories, and other government organizations. PRT's technology will work within the current systems such as advanced imaging portals. It will also resource other security projects and efforts complimentary to the task.

"We are confident that the building of the PRT patent portfolio, combined with our in-house know-how, will provide our brand with immediate and long-term market relevance," said Dana Wheeler President and CEO of PRT. "This patent is an important component of our intended intellectual property roadmap. The granting of this patent whilst a significant achievement, is already being expanded by our team that will deliver further intellectual property that will cover both North America and the EU," concluded Wheeler.

PRT is also pleased to announce that Dr. Matthew Southgate, co-author on the patent, has joined the PRT team, to assist in further product development as we move towards commercial trials of the Shoe Scanner (SS1) platform.

"Today's marketplace is extremely competitive with the introduction of new technologies almost daily, however, it is rare to see a patent issued for a global technology leveraging both passenger convenience and removing operational headaches for the TSA," stated Douglas Smith, Chairman of the Board and former Assistant Secretary of the US Department of Homeland Security. "Combining patented cutting edge technology with the operational needs of the Department, is the "Holy Grail" for the frontline operational personal of the Department." concluded Smith.

## **About the Department of Homeland Security Science & Technology Directorate**

Our mission is to enable effective, efficient, and secure operations across all homeland security missions by applying scientific, engineering, analytic, and innovative approaches to deliver timely solutions and support departmental acquisitions.

[https://www.dhs.gov/sites/default/files/publications/5075\\_dhs\\_science\\_and\\_technology\\_directorate\\_fac](https://www.dhs.gov/sites/default/files/publications/5075_dhs_science_and_technology_directorate_fac)

## **About Plymouth Rock Technologies Inc.**

We are on a mission to bring engineering-driven answers to the most critical problems that threaten our safety. We work with government, law enforcement and military to innovate solutions for national security, defense and space systems.

The Company is developing the next generation of threat detection solutions, The PRT X1 is a

purpose built multirotor Unmanned Aircraft System (UAS). The unit contains an integrated sensor package that combines Thermal detection with 4K HD real-time air-to-ground streaming. Our advanced threat detection methods fuse artificial intelligence with augmented reality interfaces to eliminate human operating error. Plymouth Rock products, both airborne and land-based, will scan for threat items at greater "stand-off" distances than current existing technologies. Our unique radar imaging and signal processing technology creates new opportunities for remotely operated, none intrusive screening of crowds in real time.

Plymouth Rock's other core technologies include: (1) A Millimeter Remote Imaging from Airborne Drone ("**MIRIAD**"); (2) A compact microwave radar system for scanning shoe's ("**Shoe-Scanner**").

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## **ON BEHALF OF THE BOARD OF DIRECTORS**

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