

USPTO Grants PAVmed Patent Covering its CarpX™ Device

NEW YORK, Aug. 21, 2019 (GLOBE NEWSWIRE) -- **PAVmed Inc. (Nasdaq: PAVM, PAVMZ)** (the "Company" or "PAVmed"), a highly differentiated, multiproduct medical device company, today announced that the U.S. Patent and Trademark Office (USPTO) has issued U.S. Patent 10,335,189 which covers the technology underlying PAVmed's CarpX minimally invasive device developed to treat carpal tunnel syndrome. The patent, assigned to PAVmed at its founding, lists Lishan Aklog, M.D., PAVmed's Chairman & CEO, and Brian J. deGuzman, M.D., its Chief Medical Officer, as inventors.

"We are excited to have secured patent protection for our ground-breaking CarpX device," Dr. Aklog, said. "The patent grant is especially timely as we continue to advance CarpX towards commercialization through several key milestones, such as the recent successful completion of all procedures in the CarpX clinical safety study and our upcoming FDA 510(k) re-submission."

"We believe this patent creates significant barriers to entry for current and future competitors in the minimally invasive and percutaneous carpal tunnel release space, and will provide us with the commercial freedom to operate as we pursue the billion-dollar U.S. market opportunity that CarpX represents. It anchors PAVmed's robust and expanding intellectual property portfolio, which includes over 75 patents and patent applications across 10 families."

U.S. Patent 10,335,189 entitled "Systems and Methods for Percutaneous Division of Fibrous Structures", includes broad independent claims covering a device with a catheter, an expandable member such as a balloon, and a cutting element such as a pair of bipolar radiofrequency electrodes. The claims are not limited to CarpX or carpal tunnel syndrome and cover device embodiments which can be developed to treat a broad spectrum of conditions, such as plantar fasciitis and compartment syndromes, where compression by fibrous tissue causes pain or other debilitating symptoms. The CarpX IP portfolio also includes multiple international and follow-on patent applications.

About CarpX

CarpX is a minimally invasive device developed to treat carpal tunnel syndrome while reducing recovery times. CarpX is designed to closely mimic the anatomic results of invasive carpal tunnel surgery, but much less invasively, using catheters, balloons, radiofrequency energy and other established tools that have contributed to percutaneous and minimally invasive revolutions in the treatment of other conditions. The balloon catheter device is designed to be inserted under the scarred ligament in a minimally invasive fashion, while pushing the nerve and tendons away. When activated, bipolar radiofrequency electrodes precisely cut the ligament from the inside out in a matter of seconds. The device design provides physicians with ongoing feedback to optimize the safety and completeness of the

procedure.

About PAVmed

PAVmed Inc. is a highly differentiated, multiproduct medical device company employing a unique business model designed to advance innovative products to commercialization much more rapidly and with significantly less capital than the typical medical device company. This proprietary model enables PAVmed to pursue an expanding pipeline strategy with a view to enhancing and accelerating value creation. PAVmed's diversified pipeline of products address unmet clinical needs encompassing a broad spectrum of clinical areas with attractive regulatory pathways and market opportunities. Its five lead technologies provide groundbreaking approaches to carpal tunnel syndrome (CarpX™), precancerous conditions of the esophagus (EsoGuard™/EsoCheck™), vascular access (PortIO™), pediatric ear infections (DisappEAR™) and medical infusions (NextFlo™). The company is also developing innovative products in other areas, such as catheters and tissue ablation, while seeking to further expand its pipeline through engagements with clinician innovators and leading academic medical centers. For more information, please visit www.pavmed.com, follow us on [Twitter](#), connect with us on [LinkedIn](#), and watch our videos on [YouTube](#). For more information on our majority owned subsidiary, Lucid Diagnostics Inc., please visit www.luciddx.com, follow Lucid on [Twitter](#), and connect with Lucid on [LinkedIn](#).

Forward-Looking Statements

This press release includes forward-looking statements that involve risks and uncertainties. Forward-looking statements are statements that are not historical facts. Such forward-looking statements, based upon the current beliefs and expectations of PAVmed's management, are subject to risks and uncertainties, which could cause actual results to differ from the forward-looking statements. Risks and uncertainties that may cause such differences include, among other things, volatility in the price of PAVmed's common stock, Series W Warrants and Series Z Warrants; general economic and market conditions; the uncertainties inherent in research and development, including the cost and time required to advance PAVmed's products to regulatory submission; whether regulatory authorities will be satisfied with the design of and results from PAVmed's preclinical studies; whether and when PAVmed's products are cleared by regulatory authorities; market acceptance of PAVmed's products once cleared and commercialized; our ability to raise additional funding and other competitive developments. PAVmed has not yet received clearance from the FDA or other regulatory body to market any of its products. New risks and uncertainties may arise from time to time and are difficult to predict. All of these factors are difficult or impossible to predict accurately and many of them are beyond PAVmed's control. For a further list and description of these and other important risks and uncertainties that may affect PAVmed's future operations, see Part I, Item 1A, "Risk Factors," in PAVmed's most recent Annual Report on Form 10-K filed with the Securities and Exchange Commission, as the same may be updated in Part II, Item 1A, "Risk Factors" in any Quarterly Reports on Form 10-Q filed by PAVmed after its most recent Annual Report. PAVmed disclaims any intention or obligation to publicly update or revise any forward-looking statement to reflect any change in its expectations or in events, conditions, or circumstances on which those expectations may be based, or that may affect the likelihood that actual results will differ from those contained in the forward-looking statements.

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Attachment

- [Patent](#)



Source: PAVmed Inc.

Patent

(12) **United States Patent** **Aklog et al.**

(54) **SYSTEMS AND METHODS FOR
PERCUTANEOUS DIVISION OF FIBROUS
STRUCTURES**

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U.S. Patent