Skydance Vascular Secures U.S. Notice of Allowance for Retractable Needle Catheter Delivery Apparatus

USPTO allows all 15 claims, bringing the company's portfolio to seven granted and allowed patents across the U.S., Europe, and Japan

DELRAY BEACH, FL, UNITED STATES, September 22, 2026 / EINPresswire.com/ -- Skydance Vascular, Inc. announced today that the United States Patent and Trademark Office (USPTO) has issued a Notice of Allowance for U.S. Patent Application No. 18/362,622, titled "Retractable Needle Catheter Delivery Apparatus." All 15 claims in the application were allowed without modification.

The allowed claims protect an integrated catheter insertion device where the catheter is housed inside and advanced through a needle designed to fully retract into the device housing. The claims also cover an integrated proximal connector with an angled side port that advances the catheter tip past the needle. In the reasons for allowance, the USPTO patent examiner noted that none of the more than 20 prior art references of record disclosed or suggested the claimed combination.

> "As we scale commercialization and continue developing future products, securing clear defensible intellectual property around our core differentiators remains central to our commercial strategy."
>
> *Bill Bold*

The application expands Skydance Vascular's Retractable Needle Catheter Delivery Apparatus with Side Port Tubing family, which introduces dedicated side port functionality to the company's core "through the needle" platform. A counterpart patent has already been issued in Europe, with a related application currently under examination in Japan.

"This allowance strengthens the proprietary foundation of our Osprey platform," said Bill Bold,

CEO of Skydance Vascular. “As we scale commercialization and continue developing future products, securing clear defensible intellectual property around our core differentiators remains central to our commercial strategy.”

Global Patent Portfolio Overview: Following this allowance, Skydance Vascular’s intellectual property estate includes seven granted patents and allowed applications across the United States (4), Europe, and Japan (3 combined). The company maintains four additional pending applications across the U.S., Europe, Japan, and the Patent Cooperation Treaty (PCT). The portfolio covers three distinct patent families:

- Retractable Needle Catheter Delivery Apparatus: Covers foundational "through the needle" catheter delivery paired with full needle retraction. Includes U.S. Patent Nos. 11,197,980; 11,529,498; and 12,496,434, two granted Japanese patents, and pending applications in the U.S. and Europe.
- Retractable Needle Catheter Delivery Apparatus with Side Port Tubing: Integrates side port delivery channels. Includes this newly allowed U.S. application, a granted European patent, and an active Japanese application.
- Next-Generation Catheter Delivery Enhancements: Covers proprietary mechanical refinements, including a needle-retraction countdown mechanism, blood magnification features, advanced seals, and targeted fluid-flow controls. Published internationally as WO 2026/096249 (PCT pending).

Michael Anstett, RN, Founder, and Chief Clinical Officer at SkyDance, added: “Integrating an angled side port directly into a fully retractable system solved a persistent mechanical challenge: giving clinicians immediate line access without adding bulk or compromising safety mechanisms. Having the examiner recognize the novelty of this entire assembly across all 15 claims confirms that our approach takes a fundamentally different engineering path than legacy devices.”

About Skydance Vascular, Inc.
Founded in 2017, SkyDance Vascular has reimagined the peripheral intravenous catheter with its OspreyIV product portfolio. The company’s proprietary through-the-needle catheter deployment technology is designed to protect the catheter during insertion, improve insertion success, preserve vessels and enhance safety. The OspreyIV portfolio includes FDA-cleared peripheral IV, closed peripheral IV and midline closed IV catheter systems. SkyDance Vascular is led by a team of experienced executives, clinicians, engineers and regulatory professionals with a history of innovation in vascular access. For more information, visit www.skydancevascular.com or contact Bill Bold at bill.bold@skydancevascular.com.

###

Bill Bold
SkyDance Vascular
+1 561-573-5360

email us here
Visit us on social media:
LinkedIn

This press release can be viewed online at: https://www.einpresswire.com/article/943356973

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.
© 1995-2026 Newsmatics Inc. All Right Reserved.