

April 17, 2017



Resonant Achieves 125 Patent Milestone; Advances Leadership in RF Innovation

GOLETA, Calif.--(BUSINESS WIRE)-- Resonant Inc. (NASDAQ: RESN), a designer of filters for radio frequency, or RF, front-ends that specializes in delivering designs for difficult bands and complex requirements, today announced it has grown its patent portfolio to more than 125 issued and pending patents covering its Infinite Synthesized Networks (ISN®) Technology.

The achievement marks a significant milestone in Resonant's history and reflects its continued commitment to technological innovation and development. The milestone also signals an increased rate of innovation at Resonant after achieving its 50th patent milestone in January 2015, and 100th patent in July 2016. Two most recent patents, issued on the same date, March 28th, 2017, demonstrate the utility of the IP generated by the Resonant team.

Recent Patent Highlights

- **US Patent No.: 9,608,595: Acoustic wave filters with enhanced rejection**
 - Increasingly crowded spectrum and the high transmit powers from the phone, which are required for higher data-rates need more rejection to prevent interference
- **US Patent No.: 9,607,119: Simulating effect of temperature on acoustic wave filters**
 - To compensate for filters shifting with temperature variations, more expensive fabrication processes are used. Temperature models, as described in this patent, simulate these effects and enable designs that mitigate some of the temperature variability so that less expensive processing can be used

“Our ongoing patent growth reinforces our commitment to our technology and solidifies our leadership position in RF innovation,” said George B. Holmes, CEO of Resonant. “Our robust intellectual property strategy has established a key competitive advantage for our technologies. IP and patents will continue to be key cornerstones in how we build our business and remain competitive into the future. We continue to focus on protecting ISN technology and providing Resonant licensees with access to our IP through licensed designs.”

About Resonant Inc.

Resonant is creating software tools and IP & licensable blocks that enable the development of innovative filter designs for the RF front-end, or RFFE, for the mobile device industry. The RFFE is the circuitry in a mobile device responsible for the radio frequency signal processing and is located between the device's antenna and its digital baseband. Filters are a critical component of the RFFE that selects the desired radio frequency signals and rejects

unwanted signals and noise. For more information, please visit www.resonant.com.

About Resonant's ISN® Technology

Resonant can create designs for difficult bands and complex requirements that we believe have the potential to be manufactured for half the cost and developed in half the time of traditional approaches. The Company's large suite of proprietary mathematical methods, software design tools and network synthesis techniques enable it to explore a much bigger set of possible solutions and quickly derive the better ones. These improved filters still use existing manufacturing methods (i.e. surface acoustic wave [SAW] and/or temperature compensated surface acoustic wave [TC-SAW]) and can perform as well as those using higher cost methods (i.e. BAW or FBAR). While most of the industry designs filters using a coupling-of-modes model, Resonant uses circuit models and physical models. Circuit models are computationally much faster, and physical models are highly accurate models based entirely on fundamental material properties and dimensions. Resonant's method delivers excellent predictability, enabling achievement of the desired product performance in roughly half as many turns through the fab. In addition, because Resonant's models are fundamental, integration with its foundry and fab customers is eased because its models speak the "fab language" of basic material properties and dimensions.

Safe Harbor/ Forward-Looking Statements

This press release contains forward-looking statements, which include the following subjects, among others: the capabilities of our IP and our plans to make further investments in IP protection. Forward-looking statements are made as of the date of this document and are inherently subject to risks and uncertainties which could cause actual results to differ materially from those in the forward-looking statements, including, without limitation, the following: our limited operating history; our ability to complete designs that meet customer specifications; the ability of our customers (or their manufacturers) to fabricate our designs in commercial quantities; the ability of our designs to significantly lower costs compared to other designs and solutions; the risk that the intense competition and rapid technological change in our industry renders our designs less useful or obsolete; our ability to find, recruit and retain the highly skilled personnel required for our design process in sufficient numbers to support our growth; our ability to manage growth; our ability to invest resources in IP protection and enforcement; and general market, economic and business conditions. Additional factors that could cause actual results to differ materially from those anticipated by our forward-looking statements are under the captions "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations" in our most recent Annual Report (Form 10-K) or Quarterly Report (Form 10-Q) filed with the Securities and Exchange Commission. Forward-looking statements are made as of the date of this release, and we expressly disclaim any obligation or undertaking to update forward-looking statements.

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Source: Resonant Inc.