



Sensus Healthcare Granted U.S. Patent for Three-Dimensional Beam Forming X-Ray Source

Patent covers beam splitting and sculpting capabilities of radiation to treat all types of solid tumors with Sculptura™ and potentially other devices

BOCA RATON, Fla. (February 23, 2021) – Sensus Healthcare, Inc. (Nasdaq: SRTS), a medical device company specializing in highly effective, non-invasive, minimally-invasive and cost-effective treatments for oncological and non-oncological conditions, today announced that the U.S. Patent and Trademark Office (USPTO) has granted the Company Patent No. 10,607,802 B2, titled “Three-Dimensional Beam Forming X-Ray Source.” This patent, which contains 31 separate claims, describes the method of beam splitting and sculpting found in the Sculptura™ System, the Company’s Anisotropic Radiation Therapy with Beam Sculpting™ capabilities and Robotic Respiratory Tracking for up to 17 different indications.

“We are delighted that the USPTO has recognized our unique technology with the granting of this important patent, the first of its kind in the world,” said Joe Sardano, chairman and chief executive officer of Sensus Healthcare. “This new patent opens doors for the delivery of radiation to treat solid tumors of all types. In addition, there may be use for licensing this technology for devices other than Sculptura. This is the fifth U.S. patent granted Sensus since the start of 2020, and I congratulate our talented engineers who have developed this game-changing approach to the use of radiation to treat cancer.”

U.S. Patent 10,607,802 B2 concerns a method and system for controlling an electron beam, which involves generating an electron beam and positioning a target element in its path. The patent also covers the X-ray source, comprised of an electron beam generator (EBG) configured to generate an electron beam. The EBG control system selectively controls at least one of a beam pattern and a direction of the X-ray beam by selectively varying a location where the electron beam intersects the target element. The Sensus Healthcare technology, currently embedded in the Sculptura System, differs from IORT in its ability to control the radiation beam, and has a longer useful operating life.

About Sensus Healthcare

Sensus Healthcare, Inc. is a medical device company specializing in highly effective, non-invasive, minimally-invasive and cost-effective treatments for both oncological and non-oncological conditions. The Sculptura™ modulated robotic brachytherapy radiation oncology system provides targeted directional anisotropic radiation therapy (ART) and brachytherapy utilizing our proprietary, state-of-the-art 3D Beam Sculpting™ to treat patients undergoing cancer treatment during surgery, or at the tumor site, fast and efficiently. Sensus also offers its proprietary low-energy x-ray technology known as superficial radiation therapy (SRT), which is the culmination of more than a decade of research and development, to treat non-melanoma skin cancers and keloids with its SRT-100™, SRT-100+™ and SRT-100 Vision™ systems. With its portfolio of innovative medical device products, Sensus provides revolutionary treatment options to enhance the quality of life of patients around the world.

For more information, please visit www.sensushealthcare.com.

Forward-Looking Statements

This press release includes statements that are, or may be deemed, "forward-looking statements." In some cases these forward-looking statements can be identified by the use of forward-looking terminology including "believes," "estimates," "anticipates," "expects," "plans," "intends," "may," "could," "might," "will," "should," "approximately," "potential" or, in each case, their negative or other variations thereon or comparable terminology, although not all forward-looking statements contain these words.

By their nature, forward-looking statements involve risks and uncertainties because they relate to events, competitive dynamics and healthcare, regulatory and scientific developments, and depend on the economic circumstances that may or may not occur in the future or may occur on longer or shorter timelines than anticipated. Although we believe that we have a reasonable basis for each forward-looking statement contained in this press release, we caution you that forward-looking statements are not guarantees of future performance and that our actual results of operations, financial condition and liquidity, and the development of the industry in which we operate may differ materially from the forward looking statements contained in this press release, as a result of, among other factors: the continuation and severity of the COVID-19 pandemic, including its impact on sales and marketing; our ability to achieve and sustain profitability; market acceptance of our product lines; our ability to successfully commercialize our products; our ability to compete effectively in selling our products and services, including responding to technological change and cost containment efforts of our customers; our need and ability to obtain additional financing in the future; our ability to expand, manage and maintain our direct sales and marketing organizations; our ability to obtain and maintain intellectual property of sufficient scope to adequately protect our products, and our ability to avoid infringing or otherwise violating the intellectual property rights of third parties; the willingness of healthcare providers to purchase our products if coverage, reimbursement and pricing from third party payors for procedures using our products declines; the level and availability of government and third party payor reimbursement for clinical procedures using our products; our ability to effectively manage our anticipated growth, including hiring and retaining qualified personnel; the regulatory requirements applicable to us and our competitors; our ability to manufacture our products to meet demand; our current reliance on third party manufacturers and sole- or single-source suppliers, as well as our ability to successfully transition manufacturing of our products in-house; our ability to reduce the per unit manufacturing costs; our ability to efficiently manage our manufacturing processes; the regulatory and legal risks, and certain operating risks, that our international operations subject us to; the fact that product quality issues or product defects may harm our business; the accuracy of our financial statements and accounting estimates, including allowances for accounts receivable and inventory obsolescence; any product liability claims; new legislation, administrative rules, or executive orders, including those that impact taxes and international trade regulation; concentration of our customers in the U.S. and China, including the concentration of sales to one particular customer in the U.S.; and other risks described from time to time in Sensus Healthcare's filings with the Securities and Exchange Commission, including our Annual Report on Form 10-K.

In addition, even if our results of operations, financial condition and liquidity, and the development of the industry in which we operate are consistent with the forward-looking statements contained in this press release, they may not be predictive of results or developments in future periods. Any forward-looking statements that we make in this press release speak only as of the date of such statement, and we undertake no obligation to update such statements to reflect events or circumstances after the date of

this press release. You should read carefully our "Cautionary Note Regarding Forward-Looking Information" and the factors described in the "Risk Factors" section of our periodic reports filed with the Securities and Exchange Commission to better understand the risks and uncertainties inherent in our business.

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