

# Orthopedics • This Week

## Patent Issued for Camber Spine's SPIRA Lateral 3.0

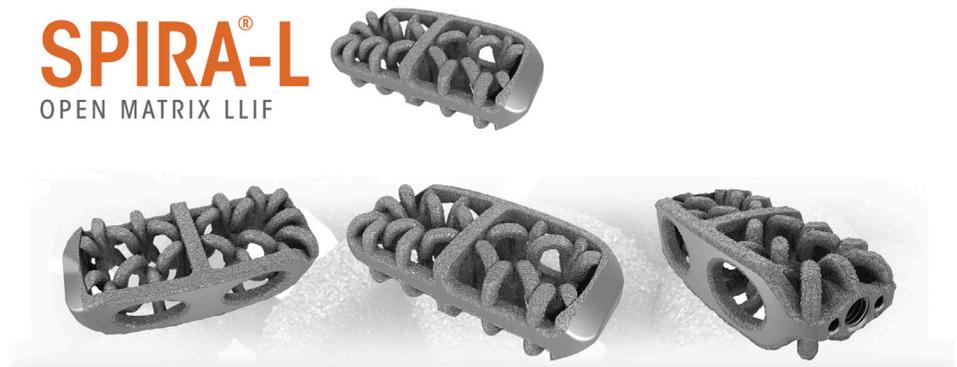
BY ELIZABETH HOFHEINZ, M.P.H., M.ED.

**C**amber Spine, based in King of Prussia, Pennsylvania, has just received a notice of allowance from the United States Patent and Trademark Office for its SPIRA Lateral 3.0 interbody fusion implant, a titanium open architecture lateral lumbar interbody fusion device.

Patent attorney Michael Lee of Plumsea Law Group worked with Camber Spine in its intellectual property efforts, and explained to *OTW*, “Camber Spine has achieved a remarkable 100% allowance rate for its portfolio of technologies, a success rate that we are very proud to have played a role in. Since the medical device category is one of the most difficult areas to achieve clearance at the Patent Office (most companies average about a 38% success rate), it's clear that Camber is producing a system of technologies made up of particularly groundbreaking innovations by gifted designers.”

“Plus,” added Lee, “Camber's SPIRA implants are 3D printed. This specialized manufacturing technology allows Camber to create these truly unique patented structures featuring open arched matrices and proprietary surfaces designed to enhance fusion and promote bone growth. This latest lateral implant is the newest in a family of innovations

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*Caption: SPIRA Lateral 3.0 interbody fusion implant / Source: Camber Spine*

that also includes SPIRA spinal interbody cages for cervical, and posterior and other lateral lumbar spine procedures. Anterior Spinal Column Reconstruction: Anterior, Lateral, and Oblique Approaches to the Spine Extremity implants and custom implants for salvage and complex deformity implants are also under development.”

According to the company, “With SPIRA implants, newly-forming bone grows onto and through the multiple roughened titanium arches to achieve maximum stability and complete endplate-to-endplate arthrodesis. SPIRA implants also enable easy insertion with smooth leading edges and pockets that interlock with the inserter to provide rotational stability.”

Camber Co-Founder and CEO Daniel Pontecorvo told *OTW*, “At Camber Spine we are continuing to strengthen our efforts in optimizing the bone to implant technology that we see on the Spira surface. Collaborations with HSS [Hospital for Special Surgery] and Dr. Celeste Abjornson have allowed us to scientifically study surface topographies to find which cellular proliferation models create the most bone growth. Combining this new knowledge with our tried and true SPIRA arch technology for load distribution and subsidence avoidance science, the new line of SPIRA implants promises to be a continued advancement in our commitment to create the world's best 3D printed implants.” ♦