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ALD NanoSolutions, Inc.
Precision NanoCoating for NanoParticles

ALD NanoSolutions awarded broad Patent in Europe

The European Patent office recently informed ALD NanoSolutions, Inc. that it has allowed the comprehensive claims for atomic layer deposition (ALD) filed in the Company's most recent patent application. This is the first international patent for the Colorado company, which holds numerous patents in the United States.

The successful patent includes broad atomic layer deposition process and composition claims to coated powders, methods for producing those powders, and uses for those powders. The patent extends the broad claims covered in existing U.S. patents to the international markets and underscores the company's proprietary position as an important benefit for commercialization partners in an increasingly global market. The allowed patent claims include broad based process and composition of matter patent claims for ALD on particles, including approximately 100 related claims. The most significant process and composition patents are: "Atomic Layer Controlled Deposition on Particle Surfaces;" "Insulating and Functionalizing Fine Metal Particles With Conformal Ultrathin Films;" "Method for the Deposition of an Inorganic Film on an Organic Polymer Surface Using Atomic Layer Deposition Techniques;" and "Nanocoated primary particles and method for their manufacture".

The intellectual property was developed at the University of Colorado - Boulder, for depositing pinhole-free ultra-thin films on to particulate surfaces. The non-agglomerated nanocoated particles are the result of self-limiting sequential surface chemical reactions that control the coating process. ALD NanoSolutions, Inc. has exclusive rights to practice and to license this technology and has exclusive rights to all future independent improvements developed at the University. The surface chemistry process has been validated, is economically scalable and suitable for commercial operation.

"This broad-based composition of matter patent provides a significant stepping stone for ALD NanoSolutions, Inc. to build relationships with potential international partners and develop applications in such markets as cosmetics, biomaterials, microelectronics, medical diagnostics, catalysis, and energy storage, among others," said Dr. Karen Buechler, President.

About ALD NanoSolutions

ALD NanoSolutions, Inc. is focused on commercializing its nano-coating processes, called Particle ALD and Polymer ALD, and is targeting collaborative commercialization agreements with domain partners for the discovery and validation of innovative material solutions in selected industries. For more information, visit www.aldnanosolutions.com.