

ALD NanoSolutions, Inc.

Precision NanoCoating for NanoParticles

ALD NanoSolutions Receives Broad Composition Patent for Atomic Layer Deposition Technologies

Boulder, Colorado - March 20, 2004 – ALD NanoSolutions, Inc. announced the receipt of U.S. Patent 6,713,177, “Insulating and Functionalizing Fine Metal Particles with Conformal Ultrathin Films,” a broad composition of matter patent for Practicing Atomic Layer Deposition (ALD) or Particle ALD™. The company’s proprietary technology is based on non-agglomerated fine and ultrafine particles having inorganic ultrathin films deposited by ALD.

The intellectual property was developed by Dr. Steven George and Dr. Alan Weimer, of 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 in the George/Weimer Laboratories. 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 partners and develop applications in such markets as cosmetics, biomaterials, microelectronics, medical diagnostics, catalysis, and energy storage, among others” said Dr. Weimer.

About ALD NanoSolutions

ALD NanoSolutions, Inc. was founded in 2002 by P. Michael Masterson, Dr. Karen Buechler, and University of Colorado Professors Dr. Steven George and Dr. Alan Weimer. The company’s proprietary technology is based on atomic layer deposition (ALD) coating chemistry methods developed by Dr. George and Dr. Weimer for depositing ultra-thin films on particulate and polymeric surfaces. The company is focused on commercializing its nano-coating processes, called Particle ALD™ and Polymer ALD™, and is targeting collaborative research agreements with domain partners for the discovery and validation of innovative composite materials in selected industries. For more information, visit www.aldnanosolutions.com.

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