DEPARTMENT OF ENERGY SMALL BUSINESS INNOVATION RESEARCH PROGRAM AND SMALL BUSINESS TECHNOLOGY TRANSFER PROGRAM FY 2006 PHASE II AWARDS

TOPIC: SOLID STATE INORGANIC AND ORGANIC LIGHT EMITTING DIODES FOR GENERAL IGHTING

Fairfield Crystal Technology, LLC	A Novel Growth Technique for Large
8 South End Plaza	Diameter AlN Single Crystal
New Milford, CT 06776-4200	

Widespread use of high brightness light emitting devices for general lighting in offices and homes will save enormous energy consumed in lighting. But inadequate substrate materials hamper the development of highly efficient light emitting devices. This project will develop and commercialize aluminum nitride single crystal substrates that enable fabrication of highly efficient light emitting devices for solid-state lighting.