

Current Patents Available for Licensing

Industrial Processes

Patent Number	Case Number	Patent Expires	Title
5,082,293	LEW-15085-1	11/09/2010	High Temperature, Flexible Fiber Seals
5,322,924	LEW-15043-1	10/07/2011	Fluorine Containing Addition Polyimides with Enhanced Processability
5,978,500	LEW-16345-1	08/27/2017	High Speed Gear Failure Digital Video Imaging System
6,003,388	LEW-16469-1	09/17/2017	Method of Deploying or Dispensing Liquid Drops and Gas Bubbles Using Acoustic Radiation Pressure
6,007,068	LEW-15870-1	11/25/2016	Low to High Temperature Dynamic Face Seal
6,037,499	LEW-16384-2	01/23/2018	Polyimides Based on 4,4' – Bis (4-Aminophenoxy – Substituted Biphenyl)
6,069,278	LEW-16384-3	01/23/2018	Aeromatic Diamines and Polyimides
6,039,325	LEW-16231-2	10/17/2016	Resilient Braided Rope Seal
6,064,156	LEW-16056-1	09/14/2018	Design and Manufacturing Processes For Long-Life Hollow Cathode Assemblies
6,240,932	LEW-16056-2	09/14/2018	Processes for Cleaning a Cathode Tube and Subassemblies in a Hollow Cathode Assembly Design And Manufacture of Long Life Hollow Cathode Assemblies
6,380,685	LEW-16056-3	09/14/2018	Procedure for Making a Hollow Cathode Assembly
6,539,818	LEW-16056-4	09/14/2018	Design and Manufacture of Long-Life Hollow Cathode Assemblies
6,676,288	LEW-16056-5	09/14/2018	Design and Manufacturing Processes Of Long-Life Hollow Cathode Assemblies
6,729,174	LEW-16056-6	09/14/2018	Design and Manufacturing Processes Of Long-Life Hollow Cathode Assemblies
6,829,920	LEW-16056-7	09/14/2018	Design and Manufacturing processes Of Long-Life Hollow Cathode Assemblies

Industrial Processes

Patent Number	Case Number	Patent Expires	Title
6,103,864	LEW-16691-1	01/14/2019	PMR Extended Shelf Life Technology – A Chemical Process To Significantly Retard the Premature Aging of PMR Resin Solutions and PMR Prepregs
6,165,874	LEW-16374-2	12/16/2018	Method of Growth of Crystal Surfaces and Growth of Heteroepitaxial Single Crystal Films Thereon
6,262,223	LEW-16968-1	02/01/2020	Development of Processable Polyimides for High Temperature Application with the Use of Triamine Additives
6,274,699	LEW-17012-1	03/23/2020	Cyclohexene Endcaps for Polymers With Improved Thermal Oxidative Stability
6,303,744	LEW-16987-1	03/23/2020	New Latent Reactive Endcaps For Polymers with Improved Thermal Oxidative Stability
6,368,482	LEW-17041-1	09/19/2020	Method of Improving the Plating Process Employing Directed High Intensity Acoustic Beams
6,385,973	LEW-17068-1	07/12/2021	Micro-Scalable Device for Thermal Control
6,426,296	LEW-17022-1	09/08/2020	Etch-Stop Fuse for Precision Thickness and Depth Control
6,446,979	LEW-16684-1	06/27/2020	Thermal Barrier Braided Rope Seal
6,461,944	LEW-17116-1	02/07/2021	Method for Growth of Step-Free SiC Crystal Surfaces and Fabrication of Electronic Device Structures Thereon
6,593,389	LEW-17133-1	04/05/2021	High Performance Polymers from The Diels-Alder Trapping of Photochemically Generated Intermediates
6,486,230	LEW-17133-2	04/05/2021	Polyesters by Photochemical Cyclopolymerization
6,974,855	LEW-17133-3	04/05/2021	Polyimides by Photochemical Cyclopolymerization
6,488,771	LEW-17186-1	09/25/2021	Method for Growing Low-Defect Single Crystal Heteroepitaxial Films

Industrial Processes

Patent Number	Case Number	Patent Expires	Title
6,513,730-1	LEW-17110-1	03/21/2021	MEMS-Based Spinning Nozzle with Pre-Mix Chamber
6,770,208	LEW-17110-2	08/13/2022	Method for Forming MEMS-Based Spinning Nozzle
6,660,110	LEW-17206-1	04/08/2022	Economical Dual Microstructure Heat Treatment Apparatus/Process
6,684,695	LEW-17235-1	10/08/2022	Resistance Temperature Detector (RTD) Bridge Flow Sensor
6,696,792	LEW-17230-1	08/08/2022	Compact Plasma Accelerator for Micro-Propulsion and Low Energy Materials Processing
6,960,888	LEW-17230-2	01/05/2024	Compact Plasma Accelerator
6,700,656	LEW-17301-1	09/17/2022	Shadowgraphic Method to Measure Contact Angles with Flow Visualization in a Sessile Drop on a Transparent Substrate
6,763,699	LEW-17300-1	02/06/2023	Method of Fabrication of Improved Gas Sensors Using SiC Semiconductors
6,783,592	LEW-17237-1	10/10/2022	Improved Alpha SiC Epitaxial Growth and Devices by Using Web Growth to Select Locations Of Screw Dislocations
6,784,276	LEW-17291-1	07/25/2022	Improved Processing for Polyimides Via Concentrated Solid Monomer Reactants Approach
6,647,809	LEW-17222-1	08/29/2022	A Method of Packaging a Silicon Carbide High Temperature Anemometer
6,794,213	LEW-17222-2	08/29/2022	Method of Assembling a Silicon Carbide High Temperature Anemometer
6,828,367	LEW-17339-1	09/20/2022	Organic Modification of a Layered Silicate by Co-Ion Exchange of an Alkyl Ammonium Ion and a Protonated Diamine
6,869,480	LEW-17157-1	07/17/2022	Method for Production of Atomic Scale Step Height Reference Specimens with Atomically Flat Surfaces

Industrial Processes

Patent Number	Case Number	Patent Expires	Title
6,979,721	LEW-17429-1	10/23/2023	Inert Processing of Novel Cyclohexene Endcaps for Polymers With Thermal Oxidative Stability
7,015,304	LEW-17618-1	07/23/2024	Solvent-Free Low Melt Viscosity Imide Oligomers and Thermosetting Polyimide Composites – High Tg Polyimides for Resin Transfer Molding (RTM)
7,106,502	LEW-17484-2	02/04/2025	Operation of a Cartesian Robotic System in a Compact Microscope Imaging System with Intelligent Controls
7,042,639	LEW-17484-3	02/04/2025	Identification of Cells with a Compact Microscope Imaging System with Intelligent Controls
7,268,939	LEW-17484-5	02/24/2026	Tracking of Cells with a Compact Microscope Imaging System Using Intelligent Controls
7,305,935	LEW-17589-1	08/25/2024	Slotted Antenna Rectangular Waveguide Plasma Source for Ion Beam and Electron Beam Production