

Current Patents Available for Licensing

Materials

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
5,330,590	LEW-15697-1	05/26/2013	High Temperature Creep and Oxidation Resistant Chromium Silicide Matrix Alloy Containing Molybdenum
5,496,644	LEW-15561-2	12/20/2013	Plasma Sprayed Mullite Coatings on Silicon-Base Ceramics
5,866,518	LEW-16183-1	01/16/2017	PS300 – Self Lubricating Readily Polished High Temperature Composite
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	Aromatic Diamines and Polyimides
6,039,325	LEW-16231-2	10/17/2016	Resilient Braided Rope Seal
6,193,454	LEW-16390-2	10/29/2017	Controlled Thermal Expansion Coat For Thermal Barrier Coatings
6,103,210	LEW-16342-3	04/04/2017	Elemental Metals or Oxides Distributed on a Carbon Substrate
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 Pregregs
6,165,874	LEW-16374-2	12/16/2018	Method for 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

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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
6,316,078	LEW-16803-1	03/14/2020	Segmented Thermal Barrier Coating
6,446,979	LEW-16684-1	06/27/2020	Thermal Barrier Braided Rope Seal
6,461,944	LEW-17116-1	02/07/2021	Method of 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
6,660,110	LEW-17206-1	04/08/2022	Economical Dual Microstructure Heat Treatment Apparatus/Process
6,702,300	LEW-17112-1	01/11/2022	Seal for Large Structural Movements
6,759,151	LEW-17275-1	05/22/2022	Low CTE X2 Phase Rare Earth Silicate-Based EBT/TBC's for Si-Based Ceramics
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

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6,828,367	LEW-17339-1	09/20/2022	Organic Modification of a Layered Silicate by Co-Ion Exchange of an Alkyl Amonium Ion and a Protonated Diamine
6,838,191	LEW-17357-1	05/20/2023	Blanch Resistant and Thermal Barrier NiAl Coating Systems For Advanced Copper Alloys
6,881,820	LEW-17299-1	05/13/2022	Polyimide Rod-Coil Block Copolymers as Membrane Materials for Ion Conduction
6,855,433	LEW-17299-2	06/16/2024	Mechanically Resilient Polymeric Films Doped with a Lithium Compound
6,869,480	LEW-17157-1	07/17/2022	Method of Production of Atomic Scale Step Height Reference Specimens with Atomically Flat Surfaces
6,886,327	LEW-17093-2	03/20/2022	NiAl – Based Approach for Rocket Combustion Chambers
6,974,805	LEW-17318-1	10/29/2022	A High Temperature, High Versatility Nickel-Based Disk Alloy
6,979,721	LEW-17429-1	10/23/2023	Novel Substituted 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 for Resin Transfer Molding (RTM)
7,094,499	LEW-17309-1	06/10/2023	Carbon Materials Metal/Metal Oxide Nanoparticle Composite and Battery Anode composed of the Same
7,261,783	LEW-17309-1	09/22/2024	Low Density High Creep Resistant Single Crystal Superalloy for Turbine Airfoils
5,776,617	LEW-20006-1	10/21/2016	Oxidation Resistant Ti-Al-Fe Diffusion Barrier for FeCrAlY Coatings on Titanium Aluminides