

- NASA Case No.: LAR-18023-1: Landing Gear Door Liners for Airframe Noise Reduction;
- NASA Case No.: LAR-17555-1: Lock-In Imaging System for Detecting Disturbances in Fluid;
- NASA Case No.: LAR-17318-1: Preparation of Metal Nanowire Decorated Carbon Allotropes;
- NASA Case No.: LAR-17869-1: Team Electronic Gameplay Combining Different Means of Control;
- NASA Case No.: LAR-18016-1: Wireless Temperature Sensor Having No Electrical Connections and Sensing Method for Use Therewith;
- NASA Case No.: LAR-17681-1: Method and System for Repairing Cracks in Structures;
- NASA Case No.: LAR-17919-1: Methods of Making Z-Shielding;
- NASA Case No.: LAR-17735-1: Assessment and Calibration of a Crimp Tool Equipped with Ultrasonic Analysis Features;
- NASA Case No.: LAR-17967-1: Multistage Force Amplification of Piezoelectric Stacks;
- NASA Case No.: LAR-17455-2: A Nanotube Film Electrode and an Electroactive Device Fabricated with the Nanotube Film Electrode and Methods for Making Same;
- NASA Case No.: LAR-17952-1: Multi-Point Interferometric Phase Change Detection Method;
- NASA Case No.: LAR-17689-1: Negative Dielectric Constant Material Based on Ion Conducting Materials;
- NASA Case No.: LAR-17857-1: In-Flight Pitot-Static Calibration;
- NASA Case No.: LAR-17906-1: Abnormal Grain Growth Suppression in Aluminum Alloys;
- NASA Case No.: LAR-17833-1: Active Aircraft Pylon Noise Control System;
- NASA Case No.: LAR-17908-1: Photogrammetry System and Method for Determining Relative Motion Between Two Bodies;
- NASA Case No.: LAR-17877-1: Autonomous Slat-Cove-Filler Device for Reduction of Aeroacoustic Noise Associated with Aircraft Systems;
- NASA Case No.: LAR-17832-1: Aircraft Engine Exhaust Nozzle System for Jet Noise Reduction;
- NASA Case No.: LAR-17985-1: An Acoustic Beam Forming Array Using Feedback-Controlled Microphones for Tuning and Self-Matching of Frequency Response;
- NASA Case No.: LAR-17994-1: Method for Manufacturing a Thin Film Structural System;
- NASA Case No.: LAR-17836-1: Sub-Surface Windscreen for Outdoor Measurement of Intrasound;
- NASA Case No.: LAR-17894-1: A Method for Enhancing a Three Dimensional Image from a Plurality of Frames of Flash LIDAR Data;
- NASA Case No.: LAR-17786-1: Smart Optical Material Characterization System and Method;
- NASA Case No.: LAR-17958-1: Wireless Open-Circuit In-Plane Strain and Displacement Sensor Requiring No Electrical Connections;
- NASA Case No.: LAR-18026-1: Anisotropic Copoly(imide Oxetane) Coatings and Articles of Manufacture, Copoly(imide Oxetane)s Containing Pendant Fluorocarbon Moieties, Oligomers and Processes Therefor;
- NASA Case No.: LAR-17638-1: Antenna with Dielectric Having Geometric Patterns;
- NASA Case No.: LAR-17987-1: Fault-Tolerant Self-Stabilizing Distributed Clock Synchronization Protocol for Arbitrary Digraphs;
- NASA Case No.: LAR-17895-1: Physiologically Modulating Videogames or Simulations Which Use Motion-Sensing Input Devices;
- NASA Case No.: LAR-17923-1: A Method of Creating Micro-Scale Silver Telluride Grains Covered with Bismuth Nanoparticles;
- NASA Case No.: LAR-17888-1: Time Shifted PN Codes for CW LIDAR, RADAR, and SONAR;
- NASA Case No.: LAR-17813-1: Systems, Apparatuses, and Methods for Using Durable Adhesively Bonded Joints for Sandwich Structures;
- NASA Case No.: LAR-17769-1: Modification of Surface Energy via Direct Laser Ablative Surface Patterning;
- NASA Case No.: LAR-17694-1: Fourier Transform Spectrometer System;
- NASA Case No.: LAR-17831-1: Blended Cutout Flap for the Reduction of Jet-Flap Interaction Noise;
- NASA Case No.: LAR-17386-1: Fine-Grained Targets for Laser Synthesis of Carbon Nanotubes;
- NASA Case No.: LAR-17149-2: Mechanically Strong, Thermally Stable, and Electrically Conductive Nanocomposite Structure and Method of Fabricating Same;
- NASA Case No.: LAR-17747-1: Wireless Temperature Sensing Having No Electrical Connections and Sensing Method for Use Therewith;
- NASA Case No.: LAR-17993-1: Locomotion of Amorphous Surface Robots;
- NASA Case No.: LAR-17886-1: Method and Apparatus to Detect Wire Pathologies Near Crimped Connector;
- NASA Case No.: LAR-18006-1: Process and Apparatus for Nondestructive Evaluation of the Quality of a Crimped Wire Connector;
- NASA Case No.: LAR-17332-2: Jet Engine Exhaust Nozzle Flow Effector;
- NASA Case No.: LAR-17743-1: Stackable Form-Factor Peripheral Component Interconnect Device and Assembly;
- NASA Case No.: LAR-17088-1: Nanotubular Toughening Inclusions;
- NASA Case No.: LAR-16565-1: Electric Field Quantitative Measurement System and Method;
- NASA Case No.: LAR-17959-1: Method of Making a Composite Panel Having Subsonic Transverse Wave Speed Characteristics;
- NASA Case No.: LAR-18034-1: Compact Active Vibration Control System for a Flexible Panel;
- NASA Case No.: LAR-17984-1: Elastically Deformable Side-Edge Link for Trailing-Edge Flap Aeroacoustic Noise Reduction;
- NASA Case No.: LAR-18024-1: External Acoustic Liners for Multi-Functional Aircraft Noise Reduction;
- NASA Case No.: LAR-17705-1: Compact Vibration Damper;
- NASA Case No.: LAR-18021-1: Flap Side Edge Liners for Airframe Noise Reduction.

**Sumara M. Thompson-King,**

*Acting Deputy General Counsel.*

[FR Doc. 2012-21911 Filed 9-5-12; 8:45 am]

**BILLING CODE P**

## **NATIONAL AERONAUTICS AND SPACE ADMINISTRATION**

**[Notice (12-062)]**

### **Government-Owned Inventions, Available for Licensing**

**AGENCY:** National Aeronautics and Space Administration.

**ACTION:** Notice of availability of inventions for licensing.

**SUMMARY:** Patent applications on the inventions listed below assigned to the National Aeronautics and Space Administration, have been filed in the United States Patent and Trademark Office, and are available for licensing.

**DATES:** September 6, 2012.

#### **FOR FURTHER INFORMATION CONTACT:**

Robert M. Padilla, Patent Counsel, Ames Research Center, Code 202A-4, Moffett Field, CA 94035-1000; telephone (650) 604-5104; fax (650) 604-2767.

- NASA Case No.: ARC-16419-1: Stroboscopic Image Modulation to Reduce the Visual Blur of an Object Being Viewed by an Observer Experiencing Vibration;
- NASA Case No.: ARC-16386-1: Visual Display and Comparison of Systems Operation in Different Modes;
- NASA Case No.: ARC-16351-1: Movable Ground Based Recovery

System for Reusable Space Flight Hardware;  
 NASA Case No.: ARC-16692-1: Fiber-Reinforced Composite Materials;  
 NASA Case No.: ARC-14569-2: Spatial Standard Observer;  
 NASA Case No.: ARC-16348-1: Co-Optimization of Blunt Body Shapes for Moving Vehicles;  
 NASA Case No.: ARC-15204-1: Rapid Polymer Sequencer.

**Sumara M. Thompson-King,**  
*Acting Deputy General Counsel.*

[FR Doc. 2012-21912 Filed 9-5-12; 8:45 am]

**BILLING CODE P**

## NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

[Notice (12-063)]

### Government-Owned Inventions, Available for Licensing

**AGENCY:** National Aeronautics and Space Administration.

**ACTION:** Notice of availability of inventions for licensing.

**SUMMARY:** Patent applications on the inventions listed below assigned to the National Aeronautics and Space Administration, have been filed in the United States Patent and Trademark Office, and are available for licensing.

**DATES:** September 6, 2012.

#### FOR FURTHER INFORMATION CONTACT:

Kaprice L. Harris, Attorney Advisor, Glenn Research Center at Lewis Field, Code 500-118, Cleveland, OH 44135; telephone (216) 433-5754; fax (216) 433-6790.

NASA Case No.: LEW-18340-2: Offset Compound Gear Inline Two Speed Drive;

NASA Case No.: LEW-18313-2: Chalcogenide Nanoionic-Based Radio Frequency Switch;

NASA Case No.: LEW-18601-1: Inductive Power Device;

NASA Case No.: LEW-18566-1: Low Density, High Creep Resistant Single Crystal Superalloy with Lower Manufacturing Cost;

NASA Case No.: LEW-18362-2: Space Radiation Detector with Spherical Geometry;

NASA Case No.: LEW-18771-1: Integrated Temperature and Capacitive Ablation Recession Rate Sensors;

NASA Case No.: LEW-18473-1: Ka-Band Waveguide 2-Way Hybrid Combiner for MMIC Amplifiers with Unequal and Arbitrary Power Output Ratio;

NASA Case No.: LEW-18254-2: Simultaneous Non-Contact Precision

Imaging of Microstructural and Thickness Variation in Dielectric Materials Using Terahertz Energy;  
 NASA Case No.: LEW-18724-1: Vessel Generation Analysis;  
 NASA Case No.: LEW-18639-1: Atomic Oxygen Fluence Monitor;  
 NASA Case No.: LEW-18042-2: Process for Preparing Polymer Reinforced Silica Aerogels;  
 NASA Case No.: LEW-18076-2: Dust Removal from Solar Cells;  
 NASA Case No.: LEW-18236-2: Polyimides Derived From Novel Asymmetric Benzophenone Dianhydrides;  
 NASA Case No.: LEW-17877-2: Antenna Near-Field Probe Station Scanner;  
 NASA Case No.: LEW-18631-1: Circuit for Communication Over Power Lines;  
 NASA Case No.: LEW-18608-1: Method for Making Fuel Cell;  
 NASA Case No.: LEW-18483-1: Interference-Free Optical Detection for Raman Spectroscopy;  
 NASA Case No.: LEW-18714-1: High Strength Nanocomposite Glass Fibers;  
 NASA Case No.: LEW-18605-1: Electric Propulsion Apparatus;  
 NASA Case No.: LEW-18762-1: Selenium Interlayer for High-efficiency Multijunction Solar Cell;  
 NASA Case No.: LEW-18426-1: Dual-Mode Combustor;  
 NASA Case No.: LEW-18615-1: Purify Nanomaterials;  
 NASA Case No.: LEW-18632-1: Method for Fabricating Diamond-Dispersed Fiber-Reinforced Composite Coating On Low Temperature Sliding Thrust Bearing Interfaces;  
 NASA Case No.: LEW-18492-1: Synthesis Methods, Microscopy Characterization and Device Integration of Nanoscale Metal Oxide Semiconductors for Gas Sensing in Aerospace Applications;  
 NASA Case No.: LEW-18636-1: N Channel JFET Based Digital Logic Gate Structure;  
 NASA Case No.: LEW-18634-1: Multi-Parameter Scattering Sensor and Methods;  
 NASA Case No.: LEW-18586-1: Shock Sensing Apparatus;  
 NASA Case No.: LEW-18221-2: Method and Apparatus for Thermal Spraying of Metal Coatings Using Pulsejet Resonant Pulsed Combustion;  
 NASA Case No.: LEW-18619-1: Method to Transmit and Receive Video on Preexisting Wiring in Fixed and Mobile Structures;  
 NASA Case No.: LEW-17458-2: Compact Solid State Entangled Photon Source;  
 NASA Case No.: LEW-17634-2: Method for Making a Fuel Cell;

NASA Case No.: LEW-18649-1: Ultracapacitor Based Uninterruptible Power Supply (UPS) System;  
 NASA Case No.: LEW-18648-1: Epoxy-clay Nanocomposites;  
 NASA Case No.: LEW-18594-1: Thermomechanical Methodology for Stabilizing Shape Memory Alloy (SMA) Response;  
 NASA Case No.: LEW-18717-1: A High-Efficiency Power Module;  
 NASA Case No.: LEW-18785-1: Prestressing Shock Resistant Mechanical Components and Mechanisms Made From Hard, Superelastic Materials;  
 NASA Case No.: LEW-18432-2: Method for Providing Semiconductors Having Self-Aligned Ion Implant;  
 NASA Case No.: LEW-18604-1: Mechanical Components From Highly Recoverable Low Apparent Modulus Materials;  
 NASA Case No.: LEW-18614-1: High-Temperature Thermometer Using Cr-Doped GdAlO<sub>3</sub> Broadband Luminescence;  
 NASA Case No.: LEW-18761-1: Surface Temperature Measurement Using Hematite Coating;  
 NASA Case No.: LEW-18296-1: Modular Battery Controller;  
 NASA Case No.: LEW-18658-1: Levitating Electromagnetic Generator and Method of Using the Same;  
 NASA Case No.: LEW-18248-1: Cellular Reflectarray Antenna and Method of Making Same;  
 NASA Case No.: LEW-17916-2: Carbon Dioxide Gas Sensors and Method of Manufacturing and Using Same;  
 NASA Case No.: LEW-18542-1: Functionalization of Single Wall Carbon Nanotubes (SWCNTs) by Photooxidation;  
 NASA Case No.: 18477-1: Graphene Based Reversible Nano-Switch/Sensor Schottky Diode (nanoSSSD) Device.

**Sumara M. Thompson-King,**  
*Acting Deputy General Counsel.*

[FR Doc. 2012-21913 Filed 9-5-12; 8:45 am]

**BILLING CODE P**

## NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

[Notice (12-065)]

### Government-Owned Inventions, Available for Licensing.

**AGENCY:** National Aeronautics and Space Administration.

**ACTION:** Notice of availability of inventions for licensing.

**SUMMARY:** Patent applications on the inventions listed below assigned to the