

Technology Transfer & Commercialization: FY2018 Statistics

Inventions Disclosed

12

Departments Disclosing

9

Patent Applications

6

Issued Patents

1

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Aeronautical University™



We help university researchers protect their intellectual property, evaluate its commercial potential, and license these novel technologies to industry to produce products

In total:

115 inventors from 20 departments

have disclosed

88 inventions

leading to

35 patent applications and 11 issued patents

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FY 2018 Patent Portfolio:

ISSUED PATENTS

- U.S. 9,845,600 “Highly vented truss wall honeycomb structures and methods of fabrication” David J. Sypeck.**
- U.S. 9,625,913 “System and method for robust nonlinear regulation control of unmanned aerial vehicles using synthetic jet actuators” Vladimir V. Golubev, William MacKunis.**
- U.S. 9,586,632 “Optimizing jets for wake control of ground vehicles” Domenic Barsotti, Sandra Boetcher.**
- U.S. 9,534,608 “Multi-stage axial compressor with counter-rotation” Vinod Gehlot, Magdy S. Attia, Divyam Garg.**
- U.S. 9,369,160 “Communication system using signal modulation” William C. Barott.**
- U.S. 9,353,754 “Multi-stage axial compressor with counter-rotation using an accessory drive” Vinod Gehlot, Magdy S. Attia.**
- U.S. 9,254,922 “Hybrid assembly for an aircraft” Richard Anderson, Lori Costello, Charles Eastlake, Glenn P. Greiner.**
- U.S. 9,102,326 “Hybrid clutch assembly for an aircraft” Richard Anderson, Charles N. Eastlake, Matt Gonitzke, Glen P. Greiner.**
- U.S. 8,998,126 “Lift generating device” Juan A. Alvarado Valverde.**
- U.S. 8,095,314 “Generation of four dimensional grid of probabilistic hazards for use by decision support tools” Ian A. Wilson**
- U.S. 7,184,883 “GPS-based steering needle instrument” Carl Edward Wischmeyer.**

PENDING PATENT APPLICATIONS*

- U.S. 2018/0291580 “Bit-serial multiplier for FPGA applications” Akhan Almagambetov, Holly R. Ross.**
- U.S. 2017/0291580 “Heating element including carbon nanotube (CNT) layer” Santhosh Kumar Loganathan, Virginie Rollin, Daewon Kim.**
- U.S. 2016/0318786 “Portable water purification system” Marc D. Compere, Yan Tang, Shavin Pinto, Yung Wong.**
- U.S. 2016/0318708 “Floating active baffles, system and method of slosh damping” Daewon Kim, Rudy L. Baum, Vijay Santhanam, Balaji Sivasubramanian, Sathya Gangadharan.**
- U.S. 2016/0203901 “Hybrid magneto-active propellant management device for active slosh damping in spacecraft” Balaji Sivasubramanian, Leader Paul, Sathya Gangadharan.**
- U.S. 2016/0216292 “Hot wire anemometer” Michael S. Potash, Alfred D. Helfrick.**
- U.S. 2016/0160867 “Electrically coupled counter-rotation for gas turbine compressors” Vinod Gehlot.**
- U.S. 2016/0047880 “System and method for location of aircraft” Albert D. Helfrick.**
- U.S. 2016/0006088 “Battery thermal management for hybrid electric vehicles using a phase-change material cold plate” Sandra Boetcher, Marc D. Compere, Domenic Barsotti, William Townsend Hyatt, Brian Neal Harries.**

***Patent applications that have not yet published for public inspection are not listed here**