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[9,553,368](http://www.pat2pdf.org/pat2pdf/foo.pl?number=9553368) [Multi-band cable antenna with irregular reactive loading](http://www.pat2pdf.org/pat2pdf/foo.pl?number=9553368)

[9,553,366](http://www.pat2pdf.org/pat2pdf/foo.pl?number=9553366) [Twin-axial wire antenna](http://www.pat2pdf.org/pat2pdf/foo.pl?number=9553366)

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[9,424,858](http://www.pat2pdf.org/pat2pdf/foo.pl?number=9424858) [Acoustic receiver for underwater digital communications](http://www.pat2pdf.org/pat2pdf/foo.pl?number=9424858)

[9,407,010](http://www.pat2pdf.org/pat2pdf/foo.pl?number=9407010) [Slotted antenna with anisotropic covering](http://www.pat2pdf.org/pat2pdf/foo.pl?number=9407010)

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[9,281,568](http://www.pat2pdf.org/pat2pdf/foo.pl?number=9281568) [Apparatus and method for improving the gain and bandwidth of a microstrip patch antenna](http://www.pat2pdf.org/pat2pdf/foo.pl?number=9281568)

[9,257,736](http://www.pat2pdf.org/pat2pdf/foo.pl?number=9257736) [Broadband spiral transmission line power splitter](http://www.pat2pdf.org/pat2pdf/foo.pl?number=9257736)

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[9,191,095](http://www.pat2pdf.org/pat2pdf/foo.pl?number=9191095) [Bi-directional amplifier system for radio communication](http://www.pat2pdf.org/pat2pdf/foo.pl?number=9191095)

[9,148,221](http://www.pat2pdf.org/pat2pdf/foo.pl?number=9148221) [Optical data link](http://www.pat2pdf.org/pat2pdf/foo.pl?number=9148221)

[9,094,081](http://www.pat2pdf.org/pat2pdf/foo.pl?number=9094081) [Method for improving the range of an electromagnetic signal receiving system](http://www.pat2pdf.org/pat2pdf/foo.pl?number=9094081)

[9,077,080](http://www.pat2pdf.org/pat2pdf/foo.pl?number=9077080) [Inductively shorted bicone fed tapered dipole antenna](http://www.pat2pdf.org/pat2pdf/foo.pl?number=9077080)

[8,849,080](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8849080) [Monolithically integrated fiber optic coupler](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8849080)

[8,842,361](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8842361) [Mode-locked laser with free-space optical feedback](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8842361)

[8,842,051](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8842051) [Omnidirectional buoyant cable antenna for high frequency communications](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8842051)

[8,836,597](http://www.pat2pdf.org/pat2pdf/foo.pl?number=88376597) [Motor controlled rotating base for directional submarine antennas](http://www.pat2pdf.org/pat2pdf/foo.pl?number=88376597)

[8,760,355](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8760355) [Hybrid dual band buoyant cable antenna element](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8760355)

[8,711,344](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8711344) [Method for remotely measuring fluctuations in the optical index of refraction of a medium](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8711344)

[8,706,052](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8706052) [Portable wideband antenna-radiated signal generator](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8706052)

[8,626,232](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8626232) [Method for controlling the launch of high-power broadband radio frequency waves](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8626232)

[8,610,637](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8610637) [Method for enabling the electronic propagation mode transition of an electromagnetic interface system](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8610637)

[8,599,078](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8599078) [Near-field RF current probe system for a floating buoyant cable antenna](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8599078)

[8,593,355](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8593355) [Reconfigurable buoyant cable antenna with improved gain](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8593355)

[8,570,227](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8570227) [High-frequency transmit antenna system](http://www.pat2pdf.org/patents/pat8570227.pdf)

[8,547,291](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8547291) [Direct fed bifilar helix antenna](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8547291)

[8,538,358](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8538358) [System and method for digitally controlling the launch of high-power broadband radio frequency waves with high linearity](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8538358)

[8,525,751](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8525751) [Tapered direct fed bifilar helix antenna](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8525751)

[8,499,637](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8499637) [Laser based acousto-optic sensing enhancement using tailored retro-reflectors](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8499637)

[8,487,824](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8487824) [Zero degree grid antenna](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8487824)

[8,462,828](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8462828) [System for generating coherent single-frequency single transverse mode light pulses](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8462828)

[8,446,325](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8446325) [Hybrid cable antenna for high frequency band](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8446325)

[8,440,958](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8440958) [Photo-receptor for electro-magnetic radiation collection](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8440958)

[8,427,387](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8427387) [Broadband spiral transmission line phase shifting power splitter](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8427387)

[8,401,134](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8401134) [Broadband high dynamic range digital receiving system for electromagnetic signals](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8401134)

[8,395,559](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8395559) [Capacitive loaded grid antenna](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8395559)

[8,342,860](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8342860) [Interface board connector](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8342860)

[8,314,750](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8314750) [[Slotted bifilar or quadrifilar helix antenna](http://www.pat2pdf.org/patents/pat8314750.pdf)](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8314750)

[8,295,708](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8295708) [High speed underwater data transmission method](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8295708)

[8,228,243](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8228243) [Parallel plate antenna](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8228243)

[8,203,495](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8203495) [Modular VLF/LF and HF buoyant cable antenna and method](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8203495)

[8,201,813](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8201813) [Head window fixture and method](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8201813)

[8,179,327](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8179327) [Subsurface deployable antenna array](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8179327)

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[8,045,859](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8045859) [High-speed underwater data transmission system and method](http://www.pat2pdf.org/pat2pdf/foo.pl?number=8045859)

[7,868,833](http://www.pat2pdf.org/pat2pdf/foo.pl?number=7868833) [Ultra wideband buoyant cable antenna element](http://www.pat2pdf.org/pat2pdf/foo.pl?number=7868833)

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[7,679,410](http://www.pat2pdf.org/patents/pat7679410.pdf) [System and method for improving the efficiency and reliability of a broadband transistor switch for periodic switching applications](http://www.pat2pdf.org/patents/pat7679410.pdf)

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[9,340,889](http://www.pat2pdf.org/patents/pat9340889.pdf) [Method of fabricating a bipolar electrode for use in a semi fuel cell](http://www.pat2pdf.org/patents/pat9340889.pdf)

[9,048,762](http://www.pat2pdf.org/patents/pat9048762.pdf) [Energy harvesting utilizing stress induced phase transformation in ferro-electric piezocrystals](http://www.pat2pdf.org/patents/pat9048762.pdf)

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[8,871,397](http://www.pat2pdf.org/patents/pat8871397.pdf) [Zero emission fuel system for use with a fuel cell](http://www.pat2pdf.org/patents/pat8871397.pdf)

[8,839,618](http://www.pat2pdf.org/patents/pat88439618.pdf) [Ionic buoyancy engine](http://www.pat2pdf.org/patents/pat88439618.pdf)

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[8,715,867](http://www.pat2pdf.org/patents/pat8715867.pdf) [Deployable microbial fuel cell and methods](http://www.pat2pdf.org/patents/pat8715867.pdf)

[8,689,714](http://www.pat2pdf.org/patents/pat8689714.pdf) [Electrochemical buoyancy engine for autonomous undersea platforms](http://www.pat2pdf.org/patents/pat8689714.pdf)

[8,461,703](http://www.pat2pdf.org/patents/pat8461703.pdf) [Integrated external combustion radial piston engine-generator](http://www.pat2pdf.org/patents/pat8461703.pdf)

[8,387,382](http://www.pat2pdf.org/patents/pat8387382.pdf) [Diesel engine with air boosted turbocharger](http://www.pat2pdf.org/patents/pat8387382.pdf)

[8,338,972](http://www.pat2pdf.org/patents/pat8338972.pdf) [Method for underwater environmental energy transfer with a long lead zirconate titanate transducer](http://www.pat2pdf.org/patents/pat8338972.pdf)

[8,334,604](http://www.pat2pdf.org/patents/pat8334604.pdf) [Integrated external combustion cam engine-generator](http://www.pat2pdf.org/patents/pat8334604.pdf)

[8,242,626](http://www.pat2pdf.org/patents/pat8242626.pdf) [Magneto-electric method and apparatus for remote powering on the hull of an underwater vehicle](http://www.pat2pdf.org/patents/pat8242626.pdf)

[8,232,761](http://www.pat2pdf.org/patents/pat8232761.pdf) [Power conditioner for microbial fuel cells](http://www.pat2pdf.org/patents/pat8232761.pdf)

[8,156,726](http://www.pat2pdf.org/patents/pat8156726.pdf) [Semiclosed Brayton cycle power system with direct combustion heat transfer](http://www.pat2pdf.org/patents/pat8156726.pdf)[[7,906,340](http://www.pat2pdf.org/patents/pat8156726.pdf)](http://www.pat2pdf.org/patents/pat7906340.pdf)[[Method for quantitative determination of hydrogen peroxide using potentiometric titration](http://www.pat2pdf.org/patents/pat8156726.pdf)](http://www.pat2pdf.org/patents/pat7906340.pdf)[[7,926,276](http://www.pat2pdf.org/patents/pat8156726.pdf)](http://www.pat2pdf.org/patents/pat7926276.pdf)[[Closed cycle Brayton propulsion system with direct heat transfer](http://www.pat2pdf.org/patents/pat8156726.pdf)](http://www.pat2pdf.org/patents/pat7926276.pdf)

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[7,635,531](http://www.pat2pdf.org/patents/pat7635531.pdf) [Self contained fuel system for solid oxide fuel cell](http://www.pat2pdf.org/patents/pat7635531.pdf)

[7,755,326](http://www.pat2pdf.org/patents/pat7755326.pdf) [Battery monitoring and charging system](http://www.pat2pdf.org/patents/pat7755326.pdf)

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[7,937,930](http://www.pat2pdf.org/patents/pat7937930.pdf) [Semiclosed Brayton cycle power system with direct heat transfer](http://www.pat2pdf.org/patents/pat7937930.pdf)

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[8,044,637](http://www.pat2pdf.org/patents/pat8044637.pdf) [Battery charging method](http://www.pat2pdf.org/patents/pat8044637.pdf)

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**Materials, Coatings and Transduction**

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[9,602,915](http://www.pat2pdf.org/patents/pat9602915.pdf) [Magnetically controllable transducer backing component](http://www.pat2pdf.org/patents/pat9602915.pdf)

[9,517,614](http://www.pat2pdf.org/patents/pat9517614.pdf) [Delamination and crack prevention layer for structural sandwich panels](http://www.pat2pdf.org/patents/pat9517614.pdf)

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[9,215,525](http://www.pat2pdf.org/patents/pat9215525.pdf) [Transducer with modifiable passive component](http://www.pat2pdf.org/patents/pat9215525.pdf)

[9,048,762](http://www.pat2pdf.org/patents/pat9048762.pdf) [Energy harvesting utilizing stress induced phase transformation in ferro-electric piezocrystals](http://www.pat2pdf.org/patents/pat9048762.pdf)

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[8,976,241](http://www.pat2pdf.org/patents/pat8976241.pdf) [Surface deformation image analyzer](http://www.pat2pdf.org/patents/pat8976241.pdf)

[8,960,008](http://www.pat2pdf.org/patents/pat8960008.pdf) [System for measuring vibrations occurring on a surface](http://www.pat2pdf.org/patents/pat8960008.pdf)

[8,877,109](http://www.pat2pdf.org/patents/pat8877109.pdf) [Crimp-imbalanced fabrics](http://www.pat2pdf.org/patents/pat8877109.pdf)

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[8,689,414](http://www.pat2pdf.org/patents/pat8689414.pdf) [Protective fabric with weave architecture](http://www.pat2pdf.org/patents/pat8689414.pdf)

[8,673,211](http://www.pat2pdf.org/patents/pat8673211.pdf) [Method to reduce corrosion of aluminum alloys exposed to seawater](http://www.pat2pdf.org/patents/pat8673211.pdf)

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[8,611,190](http://www.pat2pdf.org/patents/pat8611190.pdf) [Bio-acoustic wave energy transducer](http://www.pat2pdf.org/patents/pat8611190.pdf)

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[8,274,167](http://www.pat2pdf.org/patents/pat8274167.pdf) [Apparatus for underwater environmental energy transfer with a long lead zirconate titanate transducer](http://www.pat2pdf.org/patents/pat8274167.pdf)

[8,229,141](http://www.pat2pdf.org/patents/pat8229141.pdf) [Dense transducer array and method](http://www.pat2pdf.org/patents/pat8229141.pdf)

[8,226,876](http://www.pat2pdf.org/patents/pat8226876.pdf) [Solid state extrusion of semi-crystalline fluoro-polymer films](http://www.pat2pdf.org/patents/pat8226876.pdf)

[8,188,638](http://www.pat2pdf.org/patents/pat8188638.pdf) [Cooling acoustic transducer with heat pipes[7,832,998](http://www.pat2pdf.org/patents/pat7832998.pdf) [Controlled skin formation for foamed extrudate](http://www.pat2pdf.org/patents/pat7832998.pdf)](http://www.pat2pdf.org/patents/pat8188638.pdf)

[8,088,162](http://www.pat2pdf.org/patents/pat8088162.pdf) [Membrane pump for synthetic muscle actuation](http://www.pat2pdf.org/patents/pat8088162.pdf)

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[8,082,802](http://www.pat2pdf.org/patents/pat8082802.pdf) [Compact and stand-alone combined multi-axial and shear test apparatus](http://www.pat2pdf.org/patents/pat8082802.pdf)

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[7,906,340](http://www.pat2pdf.org/patents/pat7906340.pdf) [Method for quantitative determination of hydrogen peroxide using potentiometric titration](http://www.pat2pdf.org/patents/pat7906340.pdf)

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[7,661,313](http://www.pat2pdf.org/patents/pat7661313.pdf) [Acceleration strain transducer](http://www.pat2pdf.org/patents/pat7661313.pdf)

[7,660,693](http://www.pat2pdf.org/patents/pat7660693.pdf) [Activation energy measurement method](http://www.pat2pdf.org/patents/pat7660693.pdf)

**Other**

[9,417,839](http://www.pat2pdf.org/patents/pat9417839.pdf) [Floating point multiply-add-subtract implementation](http://www.pat2pdf.org/patents/pat9417839.pdf)

[9,340,889](http://www.pat2pdf.org/patents/pat9340889.pdf) [Method of fabricating a bipolar electrode for use in a semi fuel cell](http://www.pat2pdf.org/patents/pat9340889.pdf)

[9,257,736](http://www.pat2pdf.org/patents/pat9257736.pdf) [Broadband spiral transmission line power splitter](http://www.pat2pdf.org/patents/pat9257736.pdf)

[8,854,246](http://www.pat2pdf.org/patents/pat8854246.pdf) [Method of converting an electromagnetic anechoic test chamber to an electromagnetic reverberation test chamber](http://www.pat2pdf.org/patents/pat8854246.pdf)

[8,842,497](http://www.pat2pdf.org/patents/pat8842497.pdf) [Method and device for internal acoustic monitoring of marine mammals](http://www.pat2pdf.org/patents/pat8842497.pdf)

[8,693,288](http://www.pat2pdf.org/patents/pat8693288.pdf) [Method for detecting a random process in a convex hull volume](http://www.pat2pdf.org/patents/pat8693288.pdf)

[8,605,549](http://www.pat2pdf.org/patents/pat8605549.pdf) [Method for producing a georeference model from bathymetric data](http://www.pat2pdf.org/patents/pat8605549.pdf)

[8,456,622](http://www.pat2pdf.org/patents/pat8456622.pdf) [Spatial and temporal coherence measurement system](http://www.pat2pdf.org/patents/pat8456622.pdf)

[8,392,133](http://www.pat2pdf.org/patents/pat8392133.pdf) [Method for measuring shear wavespeed in an isotropic plate](//www.pat2pdf.org/patents/pat8392133.pdf)

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[8,201,813](http://www.pat2pdf.org/patents/pat8201813.pdf) [Head window fixture and method](http://www.pat2pdf.org/patents/pat8201813.pdf)

[8,177,721](http://www.pat2pdf.org/patents/pat8177721.pdf) [Remote blood pressure waveform sensing method and apparatus](http://www.pat2pdf.org/patents/pat8177721.pdf)

[8,175,547](http://www.pat2pdf.org/patents/pat8175547.pdf) [Disposable chemical sensor and wireless communication device](http://www.pat2pdf.org/patents/pat8175547.pdf)

[7,734,755](http://www.pat2pdf.org/patents/pat7734755.pdf) [Interactive data fault localization system and method](http://www.pat2pdf.org/patents/pat7734755.pdf)

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[8,601,970](http://www.pat2pdf.org/patents/pat8601970.pdf) [Tethered buoy housing and deployment assembly](http://www.pat2pdf.org/patents/pat8601970.pdf)

[8,543,342](http://www.pat2pdf.org/patents/pat8543342.pdf) [Towed array flow noise test apparatus](http://www.pat2pdf.org/patents/pat8543342.pdf)

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[8,960,008](http://www.pat2pdf.org/patents/pat8960008.pdf) [System for measuring vibrations occurring on a surface](http://www.pat2pdf.org/patents/pat8960008.pdf)

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[8,686,715](http://www.pat2pdf.org/patents/pat8686715.pdf) [Impedance compensation method for giant magneto-impedance magnetic sensors to null out the terrestrial residual magnetic field](http://www.pat2pdf.org/patents/pat8686715.pdf)

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[8,599,649](http://www.pat2pdf.org/patents/pat8599649.pdf) [Laser-based method of detecting underwater sound through an ice layer](http://www.pat2pdf.org/patents/pat8599649.pdf)

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[8,300,303](http://www.pat2pdf.org/patents/pat8300303.pdf) [Acoustically focused optical lens](http://www.pat2pdf.org/patents/pat8300303.pdf)

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[8,134,887](http://www.pat2pdf.org/patents/pat8134887.pdf) [Directional acoustic density sensor](http://www.pat2pdf.org/patents/pat8134887.pdf)

[7,782,712](http://www.pat2pdf.org/patents/pat7782712.pdf) [Device for estimating local towed array angles](http://www.pat2pdf.org/patents/pat7782712.pdf)

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[8,064,060](http://www.pat2pdf.org/patents/pat8064060.pdf) Outboard optical cable sensor system and method

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[9,292,971](http://www.pat2pdf.org/patents/pat9292971.pdf) [Three-dimensional tactical display and method for visualizing data with a probability of uncertainty](http://www.pat2pdf.org/patents/pat9292971.pdf)

[9,110,862](http://www.pat2pdf.org/patents/pat9110862.pdf) [System and method of use for non-parametric circular autocorrelation for signal processing](http://www.pat2pdf.org/patents/pat9110862.pdf)

[9,106,394](http://www.pat2pdf.org/patents/pat9106394.pdf) [Signal event detection system](http://www.pat2pdf.org/patents/pat9106394.pdf)

[9,001,614](http://www.pat2pdf.org/patents/pat9001614.pdf) [System for self-localizing near field data processing](http://www.pat2pdf.org/patents/pat9001614.pdf)

[8,867,862](http://www.pat2pdf.org/patents/pat8867862.pdf) [Self-optimizing analysis window sizing method](http://www.pat2pdf.org/patents/pat8867862.pdf)

[8,867,312](http://www.pat2pdf.org/patents/pat8867312.pdf) [Method for compressing the dynamic range of measured signals](http://www.pat2pdf.org/patents/pat8867312.pdf)

[8,837,566](http://www.pat2pdf.org/patents/pat8837566.pdf) [System and method for detection of noise in sparse data sets with edge-corrected measurements](http://www.pat2pdf.org/patents/pat8837566.pdf)

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[8,743,657](http://www.pat2pdf.org/patents/pat8743657.pdf) [Resolution analysis using vector components of a scattered acoustic intensity field](http://www.pat2pdf.org/patents/pat8743657.pdf)

[8,693,288](http://www.pat2pdf.org/patents/pat8693288.pdf) [Method for detecting a random process in a convex hull volume](http://www.pat2pdf.org/patents/pat8693288.pdf)

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[8,576,666](http://www.pat2pdf.org/patents/pat8576666.pdf) [Graphical user interface for flow noise modeling, analysis, and array design](http://www.pat2pdf.org/patents/pat8576666.pdf)

[8,542,724](http://www.pat2pdf.org/patents/pat8542724.pdf) [Iterative joint minimum mean square error decision feedback equalizer and turbo decoder](http://www.pat2pdf.org/patents/pat8542724.pdf)

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[8,185,490](http://www.pat2pdf.org/patents/pat8185490.pdf) [Class-specific iterated subspace classifier](http://www.pat2pdf.org/patents/pat8185490.pdf)

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**UUVs, Unmanned Vehicles, Autonomous Systems**

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