



**Sandia
National
Laboratories**

Ready-to-Sign Licenses

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Sandia's Ready-to-Sign program streamlines licensing by offering local and national innovators standardized terms, affordable fees and a straightforward process.

Modified Normandy Barrier U.S. Patent No. 8,210,767

Sandia has developed a cost-effective high performance vehicle barrier designed and proven to withstand aggressive impact. Superior performance in high fidelity modeling simulations, field tests and full-scale crash tests earned this technology ASTM F2656-07 M50/ P1 rating.

Chemical-Free Water Analysis U.S. Patent No. 7,625,469

Electrochemical analysis is a highly sensitive, chemically selective method for identifying and quantifying many different chemicals in water. Based on a unique nanoelectrode sensor array, this Sandia technology allows for rapid on-site testing at parts-per-billion sensitivity levels.

Correlation Spectrometer U.S. Patent No. 7,697,134

Correlation spectrometers measure trace amounts of a chemical in the presence of many other chemicals by comparing the light transmission of a sample to a known reference. Sandia has developed a simple, miniaturized spectrometer that enables rapid, high confidence point-of-service trace gas measurements.

Spherical Joint Technologies U.S. Patent Nos. 6,409,413 & 6,234,703

Sandia has developed a new class of freely-moving spherical joints with a very large accessible full cone angle (> 270°). These joints exhibit no singularities or dead spots in their range of motion. The full cone angle provides increased workspace of the machine and an overall increase in efficiency due to the reduced total equipment setup time.

**For more information contact us at
ip@sandia.gov or (505) 284-2001**

Hedgehog™ Water Contaminant Removal System U.S. Patent No. 7,514,004

The Hedgehog™ reduces the levels of contaminants in water storage tanks. A recirculation pump continually sends water through a treatment in order to reduce contamination levels in small water systems. This highly effective device is constructed using commercially available components and provides an affordable water treatment option for small tank owners and communities.

Field-Structured Sensors U.S. Patent No. 6,194,769

A new class of sensor devices composed of conducting magnetic particles has been developed. The conducting properties of the field-structured materials can be precisely controlled during fabrication. This control allows excellent response to stress, strain, shear, temperature change, humidity, magnetic field, electromagnetic radiation, and the presence or absence of certain chemicals.

Micromechanisms with Floating Pivot U.S. Patent No. 6,198,180

Sandia has developed a new class of tilting micromechanical mechanisms. These mechanisms utilize floating pivot structures to relieve many of the problems encountered in the use of solid flexible pivots. These pivots are simple to fabricate and can replace conventional micromechanical pivots in many cases.

Frequency Modulation Drive for a Piezoelectric Motor U.S. Patent No. 6,288,473

Piezoelectric rotary motors are key components of industrial applications. These applications require high torque and low rpm. A critical need exists for a drive system that is compatible with these requirements. Sandia has created such a system that allows for the operation of a piezoelectric motor at peak performance without feedback.

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