

of commercialization. The inventions available for licensing are:

[Docket No.: 97-021US]

Title: Temperature Calibration Wafer For Rapid Thermal Processing Using Thin-Film Thermocouples.

Abstract: This invention enables the measurement of temperature and the calibration of temperature measurements in rapid thermal processing tools for silicon wafer processing to a greater accuracy than previously possible. The invention is a device which is a calibration wafer of novel construction and capabilities. The calibration wafer is comprised of an array of junctions of thin film thermocouples which traverse the silicon wafer (typically 200 mm in diameter) and are welded to thermocouple wires of the same composition as the thin films. The advantages of very low mass thin-film thermocouples in making these measurements are greatest under the extremely high heat flux conditions present in rapid thermal processing tools (100 w/cm²). In order to achieve these measurements with thin-film thermocouples at temperatures ranging up to 900 degrees celsius a novel approach was taken in the design and fabrication of the wafer including the incorporation of an adhesion film for the thermoelements, diffusion barriers, and high temperature dielectric insulators.

[Docket No.: 98-024D]

Title: System For Stabilizing And Controlling A Hoisted Load.

Abstract: The invention provides a system which can both be adapted to existing single point lift mechanisms, and constrain a hoisted load in all six degrees of freedom, includes a suspension point, an assembly, a lateral tension lines member, and a control system. The assembly includes first and second platforms connected by a plurality of control cables which can precisely control the position, velocity, and force of a hoisted element in six degrees of freedom. The position or tension of the control lines can be controlled either manually, automatically by computer, or in various combinations of manual and automatic control. Advantages associated with the system include not only the ability to control the position, velocity, and force of the attached load, tool, and/or equipment in six degrees of freedom using position and tension feedback, but its ready adaptation to existing single point lift mechanisms and relatively light weight, and its

flexibility, ease, and precision of operation.

[Docket No.: 00-033US]

Title: Rapid Fluorescence Detection Of Binding To Nucleic Acid Drug Targets Labeled With Highly Fluorescent Nucleotide Base Analogs.

Abstract: This invention is available for nonexclusive licensing. A method is disclosed for selective substitution of highly fluorescent nucleotide base analogs within the sequence of nucleic acid drug targets, such that these bases can be used as probes to monitor/screen for the interaction of ligands with a nucleic acid target. In designing the fluorescent nucleic acid target, information about the nucleic acid structure and its native interaction with other macromolecules is used to engineer fluorescent analogs that display fluorescence emission quantum yields that are sensitive to interactions with ligands and/or other macromolecules. The general method of using changes in the fluorescence emission spectra as a probe for the interaction of the nucleic acid target with ligands has been named Fluorescence Emission Perturbation (FREP).

Dated: May 3, 2002.

Karen H. Brown,

Deputy Director.

[FR Doc. 02-11779 Filed 5-9-02; 8:45 am]

BILLING CODE 3510-13-P

DEPARTMENT OF DEFENSE

Department of the Air Force

HQ USAF Scientific Advisory Board; Notice of Meeting

AGENCY: Department of the Air Force, DoD.

ACTION: Notice of meeting.

SUMMARY: Pursuant to Public Law 92-463, notice is hereby given of the forthcoming meeting of the AF Scientific Advisory Board Predictive Battlespace Awareness (PBA) Executive Panel and Panel Chairs. The purpose of the meeting is to allow the panel chairs to report to the executive panel on the status of their portions of the PBA study; to receive the Joint Staff/J2 perspective on PBA; and to plan the remainder of the study. Because the briefings and discussion are classified, this meeting will be closed to the public.

DATES: 21 May 02 (0800-1630 EST).

ADDRESSES: A-Team Conference & Innovation Center, 1560 Wilson Blvd., Suite 400, Rosslyn, VA 22209.

FOR FURTHER INFORMATION CONTACT: Colonel Marian Alexander, Air Force Scientific Advisory Board Secretariat, 1180 Air Force Pentagon, Rm 5D982, Washington DC 20330-1180, (703) 697-4811.

Pamela D. Fitzgerald,

Air Force Federal Register Liaison Officer.

[FR Doc. 02-11700 Filed 5-9-02; 8:45 am]

BILLING CODE 5001-05-P

DEPARTMENT OF DEFENSE

Department of the Army

Privacy Act of 1974; System of Records

AGENCY: Department of the Army, DoD.

ACTION: Notice to add a system of records.

SUMMARY: The Department of the Army is proposing to add a new system of records notice to its existing inventory of records systems subject to the Privacy Act of 1974, (5 U.S.C. 552a), as amended.

DATES: This proposed action is effective without further notice on June 10, 2002 unless comments are received which result in a contrary determination.

ADDRESSES: Records Management Division, U.S. Army Records Management and Declassification Agency, ATTN: TAPC-PDD-RP, Stop 5603, 6000 6th Street, Ft. Belvoir, VA 22060-5603.

FOR FURTHER INFORMATION CONTACT: Ms. Janice Thornton at (703) 806-4390 or DSN 656-4390 or Ms. Christie King at (703) 806-3711 or DSN 656-3711.

SUPPLEMENTARY INFORMATION: The Department of the Army systems of records notices subject to the Privacy Act of 1974, (5 U.S.C. 552a), as amended, have been published in the **Federal Register** and are available from the address above.

The proposed system report, as required by 5 U.S.C. 552a(r) of the Privacy Act of 1974, as amended, was submitted on May 2, 2002, to the House Committee on Government Reform, the Senate Committee on Governmental Affairs, and the Office of Management and Budget (OMB) pursuant to paragraph 4c of Appendix I to OMB Circular No. A-130, 'Federal Agency Responsibilities for Maintaining Records About Individuals,' dated February 8, 1996 (February 20, 1996, 61 FR 6427).