

EARMARK DISCLOSURE

HON. MIKE FERGUSON

OF NEW JERSEY

IN THE HOUSE OF REPRESENTATIVES

Wednesday, September 24, 2008

Mr. FERGUSON. Madam Speaker, pursuant to the Republican Leadership standards on earmarks, I am submitting the following information for publication in the CONGRESSIONAL RECORD regarding earmarks I received as part of H.R. 2638, the Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, 2009:

1. Micro Electrical Mechanical Systems (MEMS) Technology and Plastic Armor.

Applications Account: Army Research, Development, Test and Evaluation.

Legal Name of Requesting Entity: Picatinny Arsenal.

Address of Requesting Entity: Picatinny Arsenal, Picatinny, NJ 07806-5000.

Description of Request: Funding in the amount of \$1.6 million will be used by Picatinny Arsenal in collaboration with Bell Laboratories and the New Jersey Nanotechnology Consortium for research and development of body armor materials using nano technologies, Micro Electrical Mechanical Systems (MEMS) and new plastic armor composites. The development of MEMS technology focuses on lightweight, low power technologies that enable the implementation of new capabilities in current armament and equipment as well as next generation solutions for the war fighter.

2. Strattice Dermal Matrix Research.

Account: Army Research, Development, Test and Evaluation.

Legal Name of Requesting Entity: LifeCell Corporation.

Address of Requesting Entity: One Millenium Way, Branchburg, New Jersey 08876-3876.

Description of Request: Funding in the amount of \$2.4 million will be used for research and development of skin graft technology, with the goal of developing an off-the-shelf transplantable graft from porcine tissue for combat casualties with full-thickness burns and other skin and dermal deficits. The project is a 3-year research and development program seeking to evaluate the potential for grafting of the scaffold onto full-thickness dermal wounds with full integration and regeneration of intact skin. This scaffold will provide a platform technology for development of other products for repair of tissue loss, meeting significant unmet medical needs in both military and civilian trauma.

EARMARK DECLARATION

HON. JOE KNOLLENBERG

OF MICHIGAN

IN THE HOUSE OF REPRESENTATIVES

Wednesday, September 24, 2008

Mr. KNOLLENBERG. Madam Speaker, pursuant to the Republican Leadership standards on earmarks, I am submitting the following information for publication regarding earmarks I received as part of H.R. 2638, the Consolidated Security, Disaster Assistance, and Continuing Appropriations Act for Fiscal Year 2009. The information provided for each ear-

mark consists of the recipient, name of the project, account, funding level, and the justification for the use of taxpayer dollars.

Requesting Member: Representative JOE KNOLLENBERG (R-MI).

Bill Number: H.R. 2638 (Division C).

Account Information: Army RDTE Line 33.

Name of Earmark and Amount Listed in the Report: Diminishing Manufacturing Sources and Material Shortages Case Resolution Program—\$2.4 million.

Legal Name and Address of Receiving Entity: Automation Alley, 2675 Bellingham, Troy, Michigan 48083.

Earmark Description: The program will significantly reduce the Tank-Automotive and Armaments Life Cycle Management Command's (TACOM LCMC) total ownership costs for weapons systems sustainment by using a center for directing the researching of diminishing manufacturing sources and material shortages (DMSMS) cases affecting TACOM LCMC, designing engineering solutions for cases, and testing alternatives for obsolete parts and higher-level assemblies. Automation Alley will research and develop a new process of alleviating the DMSMS problem by providing an efficient location of companies willing and able to re-engineer, test, evaluate, and manufacture obsolete components and thereby reduce cost to TACOM LCMC who must resolve these issues. This work will be managed daily in the form of an off-base industry outreach office with Automation Alley engineers and members of the TARDEC DMSMS team interacting with industry on a five-days-a-week basis for approximately five years based on funding levels. The funding will be used for engineering personnel, engineering research, and operations and overhead.

Requesting Member: Representative JOE KNOLLENBERG (R-MI).

Bill Number: H.R. 2638 (Division C).

Account Information: Army RDTE Line 33.

Name of Earmark and Amount Listed in the Report: End-to-End Vehicle Survivability Technology—\$1.6 million.

Legal Name and Address of Receiving Entity: Badenoch, LLC., 1040 East Maple Road, Suite 101, Birmingham, Michigan 48009.

Earmark Description: The focus of the program is to build a lightweight, survivable tactical wheeled vehicle demonstrator showcasing advanced materials and manufacturing techniques that will enable low-cost, high volume production of future systems. In addition to addressing all seven forensic causes of death and serious injury, the demonstrator will be difficult to see or hear, have a low acquisition signature, and be highly maneuverable. The vehicle will comprehensively address the challenge of tactical vehicle survivability. Non-traditional techniques and personnel from the automotive and motor racing world will be employed to optimize solutions to this complex problem. Common threat modalities will be evaluated along the end-to-end chain from the energetic event to the human physiology using best practices in modeling and physical testing. Thus, the program will leverage the best techniques available and establish a generalized, comprehensive, durable methodology for evaluating vehicle survivability. The funding will be used for engineers and material and other development costs.

Requesting Member: Representative JOE KNOLLENBERG (R-MI).

Bill Number: H.R. 2638 (Division C).

Account Information: Army RDTE Line 30.

Name of Earmark and Amount Listed in the Report: National Oncogenomics and Molecular Imaging Center—\$3.2 million.

Legal Name and Address of Receiving Entity: Barbara Ann Karmanos Cancer Institute, 4100 John R., Detroit, Michigan 48201.

Earmark Description: This project will develop technology to diagnose human cancer by defining oncogene signatures which characterize cancers in patients. Karmanos Cancer Institute will provide imaging technology capable of greatly improving detection of genes that cause cancer and measure treatment response. The goal of this collaborative research under the U.S. Army Medical Research and Material Command is to develop and implement the technology to perform sophisticated molecular-etiologic diagnostics in human cancer tissue, and to use that information to identify new cancer targets and make far better predictions regarding a cancer patient's response to molecular targeted therapies. The funding will be used for genomics equipment, model costs, computing and bioinformatic, salaries for lead scientists and research support personnel, patient imaging equipment, and animal imaging equipment.

Requesting Member: Representative JOE KNOLLENBERG (R-MI).

Bill Number: H.R. 2638 (Division C).

Account Information: Army RDTE Line 33.

Name of Earmark and Amount Listed in the Report: Hydraulic Hybrid Vehicles (HHV) for the Tactical Wheeled Fleet—\$800,000.

Legal Name and Address of Receiving Entity: Bosch Rexroth Corporation, 2730 Research Drive, Rochester Hills, Michigan 48309.

Earmark Description: This program will significantly reduce target vehicle consumption with consequent cost savings and reduction logistic footprint. Reduction in brake wear will reduce maintenance, replacement costs and vehicle downtime. Improved acceleration will improve performance, mobility and load capacity, particularly when TWVs are fitted with improved crew protection. Concept demonstration tests indicate fuel savings up to 60 percent can be achieved. Targeted end result is implementation into full range of TWV including JLTV variants. The funding will be used for design and development of a hybrid system, engineering and labor, operations and overhead, materials including hybrid system hardware, and testing.

Requesting Member: Representative JOE KNOLLENBERG (R-MI).

Bill Number: H.R. 2638 (Division C).

Account Information: Navy RDTE Line 5.

Name of Earmark and Amount Listed in the Report: Standoff Explosive Detection System (SEDS)—\$1.6 million.

Legal Name and Address of Receiving Entity: BOSSdev, Inc. 700 Tower Drive, Suite 500, Troy, Michigan 48098.

Earmark Description: This program will support a U.S. Navy/Marine Corps research and development project to develop a mobile, vehicle-mounted, improvised explosive device (IED) detector that will be able to quickly and safely detect the explosives in a buried IED from a standoff distance of 20 meters or more in front of a moving vehicle. This project, called the Standoff Explosives Detection System (SEDS), is based on a proven sensing technology known as Thermal Neutron Activation Analysis. In summary, the system will utilize a scanning thermal neutron beam to stimulate the nitrogen in buried or concealed explosives causing the nitrogen to emit gamma