FORM PTO-1619A Expires 06/30/99 OMB 0651-0027



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PATENT

REEL: 011730 FRAME: 0278

DOE Docket No.: S-96,880

CONFIRMATORY LICENSE

Application for: Combined Refrigeration System With A Liquid Pre-Cooling Heat Exchanger

Inventor(s): Christopher J. Gaul

Serial No.: 09/783,503

Filing Date: February 13, 2001

Contract No.: DE-AC36-99GO10337

Contractor: Midwest Research Institute

The invention identified above is a "Subject Invention" under the above-numbered contract. A copy of the provisions of the above-numbered contract governing patent rights in the Subject Invention at the time the invention was made has been submitted to the U.S. Department of Energy.

The Contractor hereby confirms that under the provisions of the above-numbered contract governing patent rights, it has granted to the Government a nonexclusive, nontransferable, irrevocable, paid-up license to practice or to have practiced for or on behalf of the United States the subject invention throughout the world. This license applies to the invention in the above-identified patent application and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.

It is understood and agreed that this document does not preclude the Government from asserting rights under the provisions of said contract or any other agreement between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.

The Contractor hereby grants the Government an irrevocable power to inspect and make copies of the above-identified application.

Signed this 28th day of March, 2001.

Paul J. White

Senior Counsel

National Renewable Energy Laboratory 1617 Cole Blvd. Golden, CO 80401

RECORDED: 04/26/2001

PATENT REEL: 011730 FRAME: 0279