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**SHEET** 

U.S. Department of Commerce
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4564 are attached original documents or copy thereof.	
2. Name and address of receiving party(ies):  Name: UT-BATTELLE, LLC  Address: P.O. Box 2008  M.S. 6498  Oak Ridge, TN 37831-6498  Additional name(s) & address(es) attached?   No	
he execution date of the application is: March 26, 2002  B. Patent No.(s)  tached?   Yes No	
6. Total number of applications and patents 1  7. Total Fee (37 CFR 34)	
8. Deposit account number  50-0951  (Attach duplicate copy of this page if paying by deposit account)	
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Mail documents to be recorded with required cover sheet information to:
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## ASSIGNMENT

WHEREAS, I, the below-named inventor whose residence and post office is as stated below, have invented certain new and useful improvements in an

## NON-INTRUSIVE REFRIGERANT CHARGE INDICATOR

(hereinafter referred to as "Subject Invention") for which an application for United States Letters Patent was executed by me on even date herewith, and

WHEREAS, UT-BATTELLE, LLC, a limited liability company of the State of Tennessee, having an office at 111-B Union Valley Road, P.O. Box 2008, Oak Ridge, Tennessee 37831-6498 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the right, title, and interest of the undersigned in the Subject Invention and to any Letters Patent that may be granted therefore in the United States of America and in any and all foreign countries.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby assign to ASSIGNEE my entire right, title, and interest in the Subject Invention, to all rights of priority thereto pursuant to the International Convention for the Protection of Industrial Property, and in any Letters Patent on the Subject Invention that may be granted in the United States of America and in any and all foreign countries, including any and all Letters Patent that are divisions, reissues, continuations, substitutions or extensions of any Letters Patent or applications therefore on the Subject Invention.

I hereby authorize and request the Commissioner of the United States Patent and Trademark Office and the officials of any and all foreign countries to issue any and all of said Letters Patent, when granted, to the ASSIGNEE.

Further, I hereby agree to communicate to said ASSIGNEE or its representatives any facts known to me respecting said Subject Invention, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, to execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, and to make all rightful oaths and generally do everything possible to aid said ASSIGNEE and its representatives to obtain and enforce proper protection for said Subject Invention in the United States of America and in any and all foreign countries.

I further agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEE, its successors, assigns, and legal representatives, and shall be binding on me, my heirs, legal representatives, and assigns.

EXPRESS MAIL #EL920521685US

Full name of first inventor: Viung C. Mei
Inventor's Signature: Date: 3-14-2002
Address: 129 Brentwood Drive, Oak Ridge, TN 37830, USA
State of TENNIZ ) County of Aphicas )
On this <u>IH</u> day of <u>MAPCIA</u> , 2002, before me, a Notary Public in and for the County and State aforesaid, appeared <u>Viung C. Mei</u> , to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.
WITNESS my hand and seal the day and year last aboye) given.
Notary Public 2000
SEAL My Commission Expires June 12, 2002. My Commission Expires
Full name of second inventor: Fang C. Chen  Inventor's Signature: Tang C. Chen  Date: 3-14-2002
Address: 12114 Buttemut Circle, Knoxville, TN 37922, USA
State of Nipulsus ) County of Animizan )
On this May of May of 2002, before me, a Notary Public in and for the County and State aforesaid, appeared Fang C. Chen, to me personally known to be the same person whose name s subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.
WITNESS my hand and seal the day and year last above given.
Notary Public
SEAI /
My Commission Expires: My Commission Expires June 12, 2002.

{WP079093;1}

RECORDED: 03/26/2002

**PATENT**