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U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office

Forr <u>OME</u> TION FORM COVER SHEET TENTS ONLY 103254687 To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. 2. Name and address of receiving party(ies) 1. Name of conveying party(ies): Hiroshi OSHITANI (2/17/2006), Hirotsugu TAKEUCHI **Denso Corporation** (2/17/2006), Etsuhisa YAMADA (2/17/2006) and Haruyuki Name: NISHIJIMA (2/17/2006) Internal Address: x No Additional name(s) of conveying party(ies) attached? Street Address: 3. Nature of conveyance/Execution Date(s): 1-1, Showa-cho Kariya-City Execution Date(s): in parentheses after inventor name 448-8661 JAPAN x Assignment Merger Change of Name Joint Research Agreement Security Agreement City: Government Interest Assignment State: Executive Order 9424, Confirmatory License Zip: Country: Additional name(s) & address(es) Yes хI attached? X This document is being filed together with a new application. 4. Application or patent number(s): B. Patent No.(s) A. Patent Application No.(s) ,0/58/088 x No Additional numbers attached? Yes 6. Total number of applications and 5. Name and address to whom correspondence patents involved: concerning document should be mailed: Name: H. Keith Miller HARNESS, DICKEY & PIERCE, P.L.C. 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Internal Address: Atty. Dkt.: 4041J-001125/US/NP Street Address: P.O. Box 828 Authorized to be charged to deposit account Enclosed × None required (government interest not affecting title) **Bloomfield Hills** 8. Payment Information City: MΙ 48303 a Credit Card Last 4 Numbers Zip: State: (248) 641-1600 **Expiration Date** Phone Number: (248) 641-0270 b. Deposit Account Number Fax Number: Authorized User Name Email Address: 9. Signature: May 31, 2006 Date Signature

Name of Person Signing 06/06/2006 ATRAN1 00000078 10581088

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H. Keith Miller - 22,484

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Total number of pages including cover

sheet, attachments, and documents:

Attorney Docket No. 4041J-<u>001125/US/NP</u> **95634-UST-JSJ/nk**

ASSIGNMENT BY INVENTORS

Sole or Joint

EJECTOR-TYPE REFRIGERANT CYCLE DEVICE

WHEREAS, the undersigned, hereinafter referred to as Assignor(s), have invented

for which the undersigned executed an appli	cation for Letters Patent of th	e United States of America:
(A) × even date herewith		
(B) on		
(C) in U.S. Appln. No.	filed	
AND WHEREAS		
AND WHEREAS,		
DENSO CORPORATION,1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan		
hereinafter referred to as Assignee, is desirous	s of acquiring an interest there	ein:
NOW, THEREFORE, for good and acknowledged, Assignors by these presents d interest, the full and exclusive right in the Uniteright to claim priority under the laws of the Uniteright to claim priority under the laws of the Uniteright to claim priority under the laws of the Uniteright to claim priority under the laws of the Uniteright to claim priority under the laws of the Uniteright to the secure of the Laws of the Uniteright the States application for patent and all force of protecting title to the said invention, the Uniteright the Commissioner of Patents States of America to Assignee(s).	o sell, assign and transfer uned States of America and all fited States and the Paris Concy Assignors of even date pention and all United States ed by Assignee to the full est thereof as fully and entirely sale not been made; and Assign countries on, for litigation ited States application for patther compensation than that a	to Assignee, its successors in oreign countries, including the ovention, to the said invention reparatory to filing a United applications for patent and all and of the term for which said as the same would have been signors hereby covenant and he making and prosecution of regarding, or for the purpose tent, or Letters Patent therefore above set forth; and Assignors
Hiroshi Oshitani	Jel-wary 17, 2006	Yasuhira Jamanoto Witness
Hiratongn Takenehi	Jehnar 172006	Toe I chila awa
Inventor 2: Hirotsugu Takeuchi	Jebruary 7, 2006	Witness
Etsufisa Yamada . Inventor 3: Etsuhisa Yamada	Jebnay 17, 2 mg	Yasuhiro Yamamato Witness
Harwyuki hishijima Inventor 4: Haruyuki Nishijima	Jebwary 17 200k	<u> Jasuhiro Jamamoto</u> Witness
Inventor 4: Haruyuki Nishijima	∪ate "	∨ Witness

PATENT REEL: 017967 FRAME: 0427

RECORDED: 05/31/2006