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.. DEPARTMENT OF COMMERCE Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Kenji OTSUKA Name: Japan Pionics Co., Ltd. Satoshi ARAKAWA Takashi KASAYA Tomohisa IKEDA Address: 1-3, Nishi-shinbashi 1-chome, Minato-ku, Tokyo, JAPAN Additional name(s) of conveying party(ies) attached? □Yes ■No 3. Nature of Conveyance: Assignment □ Merger □ Security Agreement □ Change of Name □ Other Execution Date: May 21, 2001 Additional name(s) and address(es) attached? □Yes ■No 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) A. Patent Application No.(s) 09/907,946 Additional numbers attached? □Yes ■No 5. Name and address of party to whom correspondence 6. Total applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 ■ Enclosed ☐ Authorized to be charged to deposit account 22850 15-0030 8. Deposit account number: (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Norman F. Oblon Name of Person Signing Registration Number: 24,618 Total number of pages including this cover sheet: Do not detach this portion Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks **Box Assignments** Washington, D.C. 20231

> PATENT REEL: 012449 FRAME: 0769

Assignment Of Application

Page 1 of 2

	WHEREAS, I (WE) (1) Kenji OTSUKA , (2) Satoshi ARAKAWA	A		
	(3) Takashi KASAYA and (4) Tomohisa IKEDA			
EERT NAMES D RESIDENCE DRESSES OF E INVENTORS:	residing at all of			
	c/o Japan Pionics Co., Ltd., Hiratsuka Laboratory,			
	5181, Tamura, Hiratsuka-shi, Kanagawa-ken, Japan			
				
		pectively,		
ERT TITLE INVENTION:	have invented certain new and useful improvements in: PROCESS FOR PURIFYING AMMONIA	,		
SERT DATE IN- NTORS SIGNED CLARATION:	for which an application for Letters Patent was executed onMay 21, 2001			
	(Application No09/907,946, filedJuly 19, 2001), and		
SERT NAME ID ADDRESS OF IMPANY OR	WHEREAS, Japan Pionics Co., Ltd.			
HER ASSIGNEE:	(hereinafter referred to as "ASSIGNEE") having a place of business at:			
	1-3, Nishi-shinbashi 1-chome, Minato-ku, Tokyo, Japan			
	is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;			
	NOW THEREFORE in consideration of the sum of FIVE DOLLARS (\$	5.00), the		

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

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PATENT REEL: 012449 FRAME: 0770

Page 2 of 2

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date:	May 21, 2001	Henri Otoloc (Signature of Inventor) Kenji OTSUKA
Date:	May 21, 2001	Satoshiahawa (Signature of Inventor) Satoshi ARAKAWA
Date:	May 21, 2001	7, Karaenya. (Signature of Inventor) Takashi KASAYA
Date:	May 21, 2001	Tomohiaa Akeda (Signature of Inventor) Tomohisa IKEDA
Date:		(Signature of Inventor)
Data		
Date:		(Signature of Inventor)
Date:		(Signature of Inventor)
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Date:		(Signature of Inventor)

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PATENT REEL: 012449 FRAME: 0771