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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):
DIAJIROH TOKUNAGA	Nome: CHADD KADIGHIKI KAIGHA
	Name: SHARP KABUSHIKI KAISHA Internal Address:
	Street Address: 22-22, Nagaike-cho, Abeno-ku
Additional name/s of conveying party/ies attached?	Street Address. 22-22, Magaine-Cho, Abeno-ku
partyries attached.	
3. Nature of conveyance:	City: Osaka
	State/Country: <u>Japan</u>
Security Assignment Change of Name	Zip:
Other	-
Francis D. 1 10 2002	
Execution Date: March 18, 2003	Additional name/s & address/es attached? \(\subseteq\) Yes \(\subseteq\) 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:	
A. Patent Application No(s).	B. Patent No(s).
(1) 29/177,107	(1)
(2)	(2)
(3)	(3)
Additional numbers attached Yes No	
	6. Total number of applications & patents involved:1
concerning document should be mailed:	
N	7. Total fee (37 CFR 3.41) \$ 40.00
Name: Richard G. Besha	
Tutament Address.	Authorized to be charged to deposit account #14-1140
Internal Address:	0.771.0
Street Address: Nixon & Vanderhye P.C.	8. The Commissioner is hereby authorized to charge any
1100 North Glebe Road	<u>deficiency</u> in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter
8 th Floor	filed in this application by this firm) to our Account No.
City: Arlington State: VA Zip: 22201	14-1140.
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DO NOT USE THIS SPACE	
9. Statements and signature.	
To the best of my knowledge and belief, the foregoing informat of the original document.	ion is true and correct and any attached copy is a true copy
of the original document.	
Richard G. Besha \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	June 3, 2003
Name of Person Signing Signat	ure Date
Reg. No. 22,770	
Total number of pages including original cover sheet, attachments, and document: [3]	
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PATENT

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REEL: 014133 FRAME: 0349

ASSIGNMENT FOR PATENT APPLICATION (U.S. Rights Only)

WHEREAS, DAIJIROH TOKUNAGA, (hereinafter ASSIGNOR) of 2-1-38, Nagaremachi, Hirano-ku, Osaka-shi, Osaka-fu, Japan has made an invention entitled AIR PURIFIER for which a so-entitled application for Letters Patent of the United States was filed in the United States Patent and Trademark Office on March 5, 2003;

WHEREAS, SHARP KABUSHIKI KAISHA (hereinafter ASSIGNEE), a corporation of the Country of Japan, having an office and place of business at 22-22, Nagaike-cho, Abeno-ku, Osaka, Japan is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNORS by these presents hereby sell, assign, and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNORS' entire right, title and interest in the United States of America as defined in 35 U.S.C. § 100, in and to the invention as described in the aforesaid application and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, and the ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that

PATENT 705885 REEL: 014133 FRAME: 0350 ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention;

ASSIGNOR hereby agree to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention;

ASSIGNORS hereby agree to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

AGREED and executed as noted below:

March 18, 2003	
Date	DAIJIROH TOKUNAGA
Witnessed by:	
Name: K. Takahastr	Date: <u>April 23, 2003</u>
Name: A. A.	Date:April 23, 2003
	1

RECORDED: 06/03/2003