**SHEET** 101670313

Atty. Docket No.: 2936-0128P

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ONISHI, Yuji; HAYASHI, Kazumasa; NAGAI, Kiyomu;	Name: SHARP KABUSHIKI KAISHA				
INOUE, Teruhisa; and HIKIDA, Nobuharu	Internal Address:				
Additional name(s) of conveying party(ies) attached?  TES NO	Street Address: 22-22, Nagaike-cho, Abeno-Ku				
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4. Application number(s) or patent number(s):					
If this document is being filed together with a new application, the	e execution date of the application is:				
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A. Patent Application No(s). 09814810	B. Patent No.(s).				
New					
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5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total No. of applications/patents involved: One (1)				
Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP	7. Total fee (37 C.F.R. § 3.41): \$40.00				
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Charles Gorenstein, #29,271 Name of Person Signing/Reg. No.	Signature March 23, 2001 Date				
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**PATENT REEL: 011636 FRAME: 0682** 

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ATTORNEY DOCKET NO.

2936-0128P

## **ASSIGNMENT**

	Application No. New		Filed March 23, 200
Insert Name(s)	→ WHEREAS,	Yuji ONISHI, Kazumasa H	AYASHI,
of Inventor(s)		Kiyomu NAGAI, Teruhisa	INOUE and
		Nobuharu HIKIDA	
insert Title	(hereinafter designated a	s the undersigned) has (have) invented certain  ELECTRIC VACUUM CLEANER	new and useful improvements in
of Invention			
		for Letters Patent of the United States of Amer	
insert Date of Signing of Application	<b>■</b> on	March 9, 2001	; and
nsert Name of Assignee	➡ WHEREAS,	SHARP KABUSHIKI KAISHA	
nsert Address of Assignee	➡ of 22-22, Na	agaike-Cho, Abeno-Ku, Osaka 54	5-0013, Japan
CHECK BOX f appropriate	acquiring the entire rigl	al representatives and assigns (hereinafter de ht, title and interest in and to said invention a r in the United States of America and n countries.	
	paid, the receipt of which has (have) sold, assigned the full and exdependencies and posses which may be granted the	RE, in consideration of the sum of Ten Dolla is hereby acknowledged, and other good and ed and transferred, and by these presents duclusive right to the said invention in the Ussions and the entire right, title and interest herefor in the United States of America, its tendesignated, in any and all foreign countries;	valuable consideration, the undersigned loes sell, assign and transfer unto said inted States of America, its territories, tin and to any and all Letters Patent(s)

and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for

which the same may be granted.

PATENT REEL: 011636 FRAME: 0683 The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	March 9, 2001	Name of Inventor	Yuji Enishi		
	,				Yuji ONISHI
Date	March 9, 2001	Name of Inventor	Kazumasa Ho	yashi	
			· /	(signature)	Kazumasa HAYASHI
Date	March 9, 2001	Name of Inventor	Kiyomu Nagai		
			•	(signature)	Kiyomu NAGAI
Date	March 9, 2001	Name of Inventor	Teruhisa Inoue		
				(signature)	Teruhisa INOUE
Date	March 9, 2001	Name of Inventor	Nobuharu Hi	Kida	
	,			(signature)	Nobuharu HIKIDA
Date		Name of Inventor			
	,			(signature)	

RECORDED: 03/23/2001

PATENT REEL: 011636 FRAME: 0684