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SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:			ASSIGNMENT		
CONVEYING PARTY	DATA				
			ame	Execution Date	
Morgan Brown				07/03/2008	
Masakazu Umeda				07/07/2008	
RECEIVING PARTY D	ΑΤΑ				
Name:	Matsushita El	ectric I	ndustrial Co., Ltd.		
Street Address:	1006 Oaza Ka	adoma			
Internal Address:	Kadoma-shi				
City:	Osaka				
State/Country:	JAPAN				
Postal Code:	571-8501				
	RS Total: 1				
Property Ty	уре		Number		
Application Number: 29320		29320	735		
CORRESPONDENCE	DATA				
Fax Number:	(312)32 ⁻	1-4299		e	
Correspondence will b	be sent via US	Mail wi	hen the fax attempt is unsuccessful.		
Phone:	312-321				
Email:	mgill@u				
Correspondent Name: Address Line 1:			Masako Gill 5		
Address Line 1:P.O. Box 10395Address Line 4:Chicago, ILLINOIS 60610					
ATTORNEY DOCKET NUMBER:			9353/850 (D5136-01)		
NAME OF SUBMITTER:			Tadashi Horie		
Fotal Attachments: 2 source=9353-850AssignmentAsFiled_1#page1.tif source=9353-850AssignmentAsFiled_1#page2.tif					

Matsushita Ref*: D5136-01

Japan Firm Name: ___

(* inust be filled)

Application Serial No. 29/320,735

Japan Firm Ref: ____

US Firm Name*: Brinks Hofer Gilson and Lione

US Firm Ref: 9353/850

ASSIGNMENT

WHEREAS, the undersigned has (have) invented the invention entitled:

CLEANER		
J.S. patent application (check only	one box below)	
d by the undersigned concu	rrently herewith, or	
d on the following date(s): Declaration was signed before this Assignment	nt. enter the date(s) on which you signed	, OF
PCT Application No.		and,
n after filing U.S. patent application		
Application Filing Date	July 2, 2008	and,
	A.S. patent application (check only of d by the undersigned concu d on the following date(s): Declaration was signed before this Assignme PCT Application No. In ofter filling U.S. patent application	A.S. patent application (check only one box below) d by the undersigned concurrently herewith, or d on the following date(s):

WHEREAS, Matsushita Electric Industrial Co., Ltd. of 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501, JAPAN, and

its/their heirs, successors, legal representatives and assigns (hereinafter designated as "Assignee(s)") is/are desirous of acquiring the entire right, title, and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor. NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and intended to

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and intended to be legally bound hereby, the undersigned, by these presents, does sell, assign and transfer unto said Assignee(s) the entire and exclusive right, title and interest in and to; (i) said invention in the United States of America, its territories, dependencies and possessions (hereinafter designated as the United States) and in all countries foreign to the United States; and (ii) this patent application and any and all related patent application(s) disclosing said invention, including provisionals, non-provisionals, conversions, divisions, continuations, continuations-in-part and reissues thereof in the United States and all countries foreign to the United States (hereinafter designated as "Related Applications"), along with all rights of priority created by this patent application under any treaty relating thereto; and (iii) any and all Letters Patent(s), including all renewals, extensions, reissues and reexamination certificates which may be granted therefore, and all rights to sue for past and future infringement thereunder. In the United States and in all countries foreign to the United States for the full term or terms thereof.

The undersigned agree(s) to execute all papers necessary in connection with this application and any and all Related Applications thereof, all papers and documents and perform any act which may be necessary in connection with this application of the International Convention for Protection of Industrial Property or similar agreements, all papers necessary in connection with any interference which may be declared concerning this application or any and all Related Applications thereof and to cooperate with the Assignee(s) in every way possible in obtaining and producing evidence and proceeding with such interference, and for any and all Related Applications or Letters Patent(s) therefore, and to testify in any title and interest in and to said invention, this application any and all Related Applications or Letters Patent(s) therefore, and to testify in any tegal proceeding relating thereto and in support thereof, for the benefit of Assignee(s), and also to execute separate assignments in connection with such applications as the Assignee(s) may deem necessary or expedient.

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

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents, and officials of all foreign countries, whose duty is to issue patents, to issue any and all Letters Patent(s) resulting from said application or any and all Related Applications thereof to said Assignee(s) and hereby covenants that the undersigned has (have) full right to convey the entire interest herein assigned, and that the undersigned has (have) not executed, and will not execute, any assignment, sale, agreement or encumbrances in conflict herewith.

The undersigned hereby does sell, assign and transfer unto said Assignee(s) the full and exclusive authority for revoking power of attorney(s) executed by the undersigned in connection with this application and for appointing a new power of attorney in place thereof.

attorney(s) executed by the undersigned in connectant war and appointed U.S. patent attorneys and agents 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 Office for recordation of this document.

The undersigned hereby agree(s) that the above obligations shall apply to the undersigned both individually and collectively. The undersigned hereby agree(s) that this Assignment shall be construed in accordance with the law of the appropriate jurisdiction within

the United States.

IN WITNESS WHEREOF, executed by the undersigned on the date(s) following the undersigned name(s) and signature(s).

Check if additional paper(s) is/are attached. Total of _____ pages are submitted.

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OCheck if additional paper(s) is/are attached. Total of _____ pages are submitted.

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States Provisional application(s) listed below.

	U.S. PROVISIONAL APPLICATION FILING DATE
APPLICATION NO.	U.S. PROVISIONAL APPLICATION FILING DATE
<u> </u>	

□ Additional U.S. provisional application numbers are listed on a supplemental priority sheet attached hereto.

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s), or §365(C) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

APPLICATION NO.	U.S. FILING DATE	STATUS: PATENTED, PENDING, ABANDONED
· · · · · · · · · · · · · · · · · · ·		

a Additional U.S. or international application numbers are listed on a supplemental priority sheet attached hereto.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the attorneys and agents associated with U.S. Patent and Trademark Office Customer Number identified below to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith, and direct that all correspondence be addressed to that customer number.

I hereby authorize the U.S. attorneys and agents associated with the customer number to accept and follow instructions from Matsushita Electric Industrial Co., Ltd., and any affiliated or subsidiary company thereof, received via their corporate representatives and/or their foreign patent attorneys or agents, if any, as to any action to be taken in the U.S. Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys or agents and myself.

Direct Correspondence to:

CUSTOMER NUMBER 00757

I further declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

INVENTOR (s)					and the second se
Full Name of Sole or First	FIRST NAME LAST	NAME	SIGNATUR	R	DATE OF SIGNATURE
Inventor	Morgan Bro	wn	thank-	\rightarrow	7/3/08
Residence & Citizenship	CITY, STATE or COUNTR Lenapah, OK, USA	Y	()		CITIZENSHIP USA
Post office address	ADDRESS	CITY	ST	ATE OR COUN	ITRY ZIP CODE
	1006, Oaza Kadoma	Kadoma-sl	ni	Osaka, Japan	n N/A
	1				
Full Name of	FIRST NAME LAST	NAME	SIGNATUR		DATE OF SIGNATURE
Full Name of Second Inventor		NAME neda			DATE OF SIGNATURE
		neda 🦯	signatur M <i>hiĝa (ca 3,11</i>		DATE OF SIGNATURE 7/7/06 CITIZENSHIP
Second Inventor	Masakazu Un	neda 🦯			7/7/08
Second Inventor	Masakazu Un CITY, STATE or COUNTR	neda 🦯	Musakazu		7/7/08 CITIZENSHIP Japan
Second Inventor Residence & Citizenship	Masakazu Un CITY, STATE or COUNTR Osaka, Japan	neda /	<u> Чида Кази</u> sī	<u>Umeda</u>	7/7/06 CITIZENSHIP Japan JTRY ZIP CODE

Check if additional paper(s) is/are attached. Total of _____ pages are submitted.

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RECORDED: 07/18/2008

PATENT REEL: 021257 FRAME: 0334