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To the Director of the U.S. Paten.

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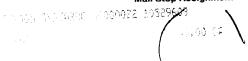
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HDP Docket No. 5077-000235 NF Express Mail Label No. EV 570 177 578 US

ed documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s): Takahiro KUDO Jun OZAWA Satoshi MATSUURA Execution Date(s) March 24, 2005	2. Name and address of receiving party(ies) Name: MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. Internal Address:						
Additional name of conveying party(ies) attached? ☐ Yes ☒ No	Street Address: 1006, Oaza Kadoma,						
3. Nature of conveyance:	Kadoma-shi						
	City: Osaka						
☐ Security Agreement ☐ Change of Name	State:						
Government Interest Assignment	Country: Japan Zip: 571-8501						
Executive Order 9424, Confirmatory License							
Other	Additional Name(s) & address(es) attached? ☐ Yes ☑ No						
4. Application number(s) or patent number(s):	This document is being filed together with a new application.						
A. Patent Application No.(s)	B. Patent No.(s)						
Additional numbers atta	ıched? ☐ Yes ⊠ No						
5. Name and address of party to whom correspondence concerning this document should be mailed:	6. Total number of applications and patents involved: 1						
Name: Gregory A. Stobbs	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40						
Internal Address: Harness, Dickey & Pierce, P.L.C.	Authorized to be charged by credit card						
	☐ Authorized to be charged to deposit account						
Street Address: P.O. Box 828	⊠ Enclosed						
	☐ None required (government interest not affecting title)						
City: Bloomfield Hills	8. Payment Information						
State: MI Zip: <u>48303</u>	a. Credit Card Last 4 Numbers						
Phone Number : 248-641-1600	Expiration Date						
Fax Number: 248-641-0270	b. Deposit Account Number 08-0750						
Email Address: stobbs@hdp.com	Authorized User Name						
9. Signature: Stolly	March 30, 2005						
Gregory A. Stobbs	Total number of pages including cover sheet, attachments, and documents 3						
Name of Person Signing							

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450



Attorney Docket No.	5077-000238/NP
ALLUMEV DUCKELING.	*

ASSIGNMENT

	W.	HEREAS,			Tak	<u>ahiro</u>	KUDO	, Jun	OZAV	/A an	d S	atoshi	MA	ATSUURA
(herei	nafter	designated	as t	he und	dersign	ed) h	as (have)) inven	ted certa	in nev	v and	l useful	imp	provements
in	I	NFORMAT	<u>ION</u>	ACQ	<u>UISITI</u>	ON	METHO	D, IN	FORMA	TION	PRE	SENTIN	\sqrt{G}	METHOD,
AND	INF	ORMATION	A	CQUIS	ITION	SYS	STEM	fo	or which	the un	dersi	igned ha	as (h	nave):
	(a) (b)	executed a indicated b	ın ap	plicati		_ hav	ing Seria	I No			· · · · · ·			_; or the date(s)
	W.	HEREAS,			N	<u> Tatsu</u>	shita Ele	ctric I	ndustria	l Co.,	Ltd.			of
				1006	, Oaza	Kad	oma, Ka	doma-	shi, Osa	ka 571	-850	1, Japa	ın	
its hei														

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee the full and exclusive right to the said invention in the United States of America and its territories and for all foreign countries, dependencies and possessions and the entire right, title and interest in and to the application and any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

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 any continuation, division or reissue thereof or Letters 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 under or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

PATENT REEL: 016820 FRAME: 0188 The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to the 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 Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the 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.

This Assignment has been executed by the undersigned on the date(s) indicated.

Date:	March 24, 2005,	Jakahiro Kudo
Date:	March 24, 2005,	Takahiro KUDO Ma James Jun OZAWA
		Satoshi MATSUURA
Date:	,	
Date:	······································	
Date:	,	
Date:	· · · · · · · · · · · · · · · · · · ·	
Date:		

RECORDED: 03/30/2005

PATENT REEL: 016820 FRAME: 0189