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To the Honorable Commiss	ioner of Patents and Trademarks	: Please record the attached origin	al documents or copy thereof
Name of conveying party(ies):		2. Name and address of receiving party(ies)	
Etsuo Matsuki (10/21/2008), Masaaki Nishikata (10/21/2008), and Tsuyoshi Kusakabe (10/21/2008)		Name: Panasonic Electric Works Co., Ltd. Internal Address:	
Etsuo Matsuki (10/21/20 (10/21/2008), and Tsuy (10/21/2008) Additional name(s) of conveying pattached? 3. Nature of Conveyance: X Assignment Security Agreement Other Execution Date: in pare		Street Address: 1048, Kadoma Osaka 571-8686 JAPAN City: State: Additional name(s) & Yes x No address(es) attached:	
4. Application number(s) If this document is being filed to A. Patent Application No.	ogether with a new application, the	execution date of the new application B. Patent No.(s):	n is: October 21, 2008
5. Name and address of par concerning document sho	Additional numbers atta	ched? Yes X No 6. Total number of applicat patents involved:	ions and1
Name: Thomas K. Scherer OSHA · LIANG LLP		7. Total fee (37 CFR 3.41) \$
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REEL: 021899 FRAME: 0441



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ASSIGNMENT

譲渡証

本証末尾に署名した者(以下、「発明者」という)は、適正・相当な対価を受領しており、それが十分な対価であることを認識した上で、

(氏名または組織名)

Panasonic Electric Works Co., Ltd. (住所)

1048, Kadoma; Osaka; 571-8686; JAPAN

(以下「会社」という)と、その承継人および譲受 人に対して、

(発明の名称)

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Panasonic Electric Works Co., Ltd. having the following address:

1048, Kadoma; Osaka; 571-8686; JAPAN

(referred to herein as "COMPANY"), its successors and assigns, the entire right, title, and interest for the United States of America (including without limitation its territories and possessions) in and to the invention known by the following title:

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for which the undersigned has/have executed an application for patent in the United States of America (referred to herein as "INVENTION"), together with said patent application, all divisions, continuations, continuations in part, reissues, and extensions thereof, and all United States Letters Patent which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

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さらに、本証末尾に署名した発明者は、それぞれ、 以下のとおり同意する。

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In addition, the undersigned INVENTOR(S) each hereby agrees:

- 1. To sign and execute any further documents which may be necessary or desirable, lawful and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations in part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
- To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
- To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY;

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA LIANG 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 United States Patent and Trademark Office for the recordation of this document.

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以上を確認の上、下記の者が下記署名に並んで記され

た日に各自署名して本譲渡証を発効させた。

425884

RECORDED: 11/18/2008

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		such individual's signature		
	(署名)	10/21/08	松木悦夫	
年月日	氏名(楷書): Etsuo MATSUKI	Date	Name: Etsuo MATSUKI	
	(署名)_	10/21/08	西方政昭	
年月日	氏名(楷書): Masaaki NISHIKATA	Date	Name: Masaaki NISHIKATA	
	(署名)	10/21/08	旧下部毅	
年月日	氏名(楷書): Tsuyoshi KUSAKABE	Date	Name: Tsuyoshi KUSAKABE	
	(署名)			
年月日	氏名(楷書):	Date	Name:	
	(署名)			
年月日	氏名(楷書):	Date	Name:	
		• •		
	(署名)			
年月日	氏名(楷書):	Date	Name:	
本譲渡証はアク	リカ合衆国のいずれかの州の公証人また	This Assignme	ent may be signed before a Notary	
は下記に署名する2名の証人の面前で署名されるものと		Public for one of the States of the United States or		
する。		before two witnesses who sign below:		
	(署名)			
年月日	氏名(楷書):	Date	Name:	
,	(署名 <u>)</u>			
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			·	
本譲渡証が特許申請書と同時に提出されなかった場合、下		Where this Assi	Where this Assignment is not filed concurrently with the	
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米国申請シリアル番号:		·		
申請日:		U.S. Application Serial No.:		
		Filing Date:		

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WHEREOF,

WITNESS

Assignment has been executed by each of the

undersigned individuals on the date appearing by