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Yoichi YAMADA					10/01/2008	
Takatomo FUKUMOTO					10/01/2008	
RECEIVING PART	Y DATA					
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State/Country:	JAPAN					
Property Type		12252	Number			
Property Type			Number			
Application Number: 12252			261			
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NAME OF SUBMITTER:			Barry M. Shuman			
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<ol> <li>Name of conveying party(ies):</li> <li>Yoichi YAMADA</li> <li>Takatomo FUKUMOTO</li> <li>Additional name(s) of conveying party(ies) attached?</li></ol>	<ol> <li>Name and address of receiving party(ies):</li> <li>SEIKO EPSON CORPORATION 4-1, Nishi-shinjuku 2-chome Shinjuku-ku, Tokyo, Japan</li> </ol>						
<ul> <li>3. Nature of conveyance:</li> <li>Assignment</li> <li>Execution Date: October 1, 2008</li> </ul>	- 						
	Additional name(s) & address(es) attached? 🔲 Yes 🖾 No						
<ul> <li>Application number(s) or patent number(s):</li> <li>If this document is being filed together with a new application, the execution date of the application is: October 1, 2008</li> <li>A. Patent Application No.(s)</li> <li>B. Patent No.(s)</li> <li>Additional numbers attached?  Yes X No</li> </ul>							
<ol> <li>Name and address of party to whom correspondence concerning document should be mailed: Troy M. Schmelzer, Esq. HOGAN &amp; HARTSON L.L.P. 1999 Avenue of the Stars, Suite 1400 Los Angeles, CA 90067</li> </ol>	<ul> <li>6. Total number of applications and patents involved: [ 1 ]</li> <li>7. Total fee (37 CFR 3.41) \$40.00 <ul> <li>Enclosed</li> <li>Authorized to be charged to deposit account</li> </ul> </li> <li>8. Deposit account number: <ul> <li>50-1314</li> <li>(Attach duplicate copy of this page if paying by deposit account)</li> </ul> </li> </ul>						
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9. Statement and signature. To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document. Batroi M Shuman Date: October 15, 2008							
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采潮•取用有計學務所

SEIKO EPSON Ref.No.: J0138640US01

譲渡証 (Translation/日本語訳)	Assignment		
下記に署名した私/私達、 <u>山田 陽一 , 福元 貴智 ,</u>	For good and valuable consideration, the receipt of which is hereby acknowledged, I/WE, the undersigned, <u>Yoichi YAMADA , Takatomo FUKUMOTO ,</u>		
は、ある発明を創出し、これについて合衆国特許出願は	who have created a cortain invention for which an application for United States Letters Patent		
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		Full name of sole or first inventor			
唯一または第一発明者名		Yoichi YAMADA			
_山氏_陽 発明者の署名	日付	Inventor's signature	Date		
山田開	- 2008.10.1	Goichi Gamada	Octorber. 1. 2008		
第二共同発明者(いる場合)		Full name of Second joint inventor, if a	iny		
<b>福元貴智</b>		Takatomo FUKUMOTO			
第二共同発明者の署名	日付	Second Inventor's signature	Date		
福元貴	RP 2008-10-1	Takatomo Fukamoto	Oct. 1,2008		
第三共同発明者(いる場合)		Full name of Third joint inventor, if any	/		
第三共同発明者の署名	日付	Third Inventor's signature	Date		
第四共同発明者(いる場合)		Full name of Fourth joint inventor, if an	y		
第四共同発明者の署名	日付	Fourth Inventor's signature	Date		
第五共同発明者(いる場合)		Full name of Fifth joint inventor, if any			
第五共同発明者の署名	日付	Fifth Inventor's signature	Date		
第六共同発明者(いる場合)		Full name of Sixth joint inventor, if any	,		
第六共同発明者の署名	日付	Sixth Inventor's signature	Date		
第七共同発明者(いる場合)		Full name of Seventh joint inventor, if	any		
第七共同発明者の署名	日付	Seventh Inventor's signature	Date		
第八共同発明者(いる場合)		Full name of Eighth joint inventor, if ar	אַק		
第八共同発明者の著名	日付	Eighth Inventor's signature	Date		

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**RECORDED: 10/15/2008** 

## PATENT REEL: 021687 FRAME: 0228