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<p>1. A. Name of conveying party(ies): <u>Shinichiro KOBAYASHI</u></p> <p>B. Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. A. Name and address of receiving party(ies):  <u>SEIKO EPSON CORPORATION</u> <u>4-1, NISHI-SHINJUKU 2-CHOME</u> <u>SHINJUKU-KU, TOKYO</u> <u>JAPAN 163-0811</u></p> <p>B. Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. A. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other _____</p> <p>B. Execution Date: <u>January 23, 2009</u></p>	


4. A. Patent Application No.(s) 12/314,566 B. Patent No.(s)

Additional numbers attached?  Yes  No

C. Title of Application: OPERATIONAL COMPARATOR, DIFFERENTIAL OUTPUT CIRCUIT, AND SEMICONDUCTOR INTEGRATED CIRCUIT

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>James A. Oliff</u></p> <p>Address: <u>OLIFF &amp; BERRIDGE, PLC</u> <u>P.O. Box 320850</u> <u>Alexandria, VA 22320-4850</u> <u>Phone Number: 703-836-6400</u> <u>Fax Number: 703-836-2787</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of <u>\$40.00</u>.</p> <p>8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.</p>
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9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

  
James A. Oliff Registration No. 27,015  
Moshe K. Wilensky Registration No. 56,263

Date: February 2, 2009

CH \$40.00 150461 12314566

SEIKO EPSON Ref.No.:J0138973US01

## 譲渡証 (Translation/日本語訳)

## Assignment

下記に署名した私/私達、

小林 新一郎。

は、ある発明を創出し、これについて合衆国特許出願は

- ここに私/私達により署名され、  
 に私/私達により(それぞれ)署名され、  
 2008年12月12日に出願され、出願番号 12/314,588 が交付され、  
 PCT 国際出願 として に出願され、

その発明は、  
演算比較回路、差動出力回路、および半導体集積回路

という名称である。そして、ここにその受領を認める対価で：私/私達は、当該発明/出願について、合衆国とその属領及び全ての外国に於ける全面的かつ独占的な権利；合衆国とその属領及び全ての外国に於いて発行される特許証に関わる全ての権利、所有権、利益；一部継続出願、継続出願、分割出願、差替え出願、再発行出願、特許期間延長等、合衆国とその属領及び全ての外国に於いて既に出願されたか否しくは今後出願される特許に関わる全ての権利；そして、国際条約、同盟、契約、法令、協定（将来制定されるものを含む）に基づく全ての優先権を併う一切の権利；を、日本国東京都新宿区西新宿二丁目4番1号に住所を有するセイコーエプソン株式会社、その後継者、譲受人及び法定代理人に対して、売却、譲渡、移転するものとする。

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For good and valuable consideration, the receipt of which is hereby acknowledged, I/WE, the undersigned,  
Shinichiro KOBAYASHI.

who have created a certain invention for which an application for United States Letters Patent

- executed by ME/US on even date herewith,  
 executed by ME/US on . (respectively),  
 filed on December 12, 2008 and assigned Serial No.12/314,588

filed as International Application No. filed on and entitled:

OPERATIONAL COMPARATOR, DIFFERENTIAL OUTPUT CIRCUIT, and SEMICONDUCTOR INTEGRATED CIRCUIT

Do hereby sell, assign and transfer to SEIKO EPSON CORPORATION, having a place of business 4-1, Nishi-shinjuku 2-chome, Shinjuku-ku, Tokyo, Japan its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that SEIKO EPSON CORPORATION hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

SEIKO EPSON Ref.No.:J0138973US01

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さらに、下記に署名した私/私達はこの譲渡書は英語の部分の表現によってのみ解釈されることに同意する。

上記を証明するため、私/私達は下記日付で署名する。

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

I/WE, the undersigned do further agree that this Assignment is to be construed solely according to the terms of the English language portions thereof.

IN TESTIMONY WHEREOF I/WE have hereunto set MY/OUR signature seal on the date indicated below.

唯一または第一発明者名		Full name of sole or first inventor	
小林 新一郎		Shinichiro KOBAYASHI	
発明者の署名	日付	Inventor's signature	Date
<i>小林新一郎</i>	<i>2009年1月23日</i>	<i>Shinichiro Kobayashi</i>	<i>January 23, 2009</i>
第二共同発明者(いる場合)		Full name of Second joint inventor, if any	
第二共同発明者の署名	日付	Second inventor's signature	Date
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 any	
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 any	
第八共同発明者の署名	日付	Eighth inventor's signature	Date