

05-19-2005

HEET

HDP Docket No. 9319S-001138  
Express Mail Label No. EV 406 076 051 US  
(5/13/2005)

To the Director of the U.S. Pat

103006267

hed documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Shuichi TANAKA  
Haruki ITO  
Yasuhito ARUGA

Execution Date(s) April 25, 2005; April 22, 2005; April 22, 2005

Additional name of conveying party(ies) attached? ☒ Yes ☐ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

2. Name and address of receiving party(ies)

Name: Seiko Epson Corporation

Internal Address: \_\_\_\_\_

Street Address: 4-1 Nishi-shinjuku 2-chome

City: Shinjuku-ku

State: Tokyo

Country: Japan Zip: 163-0811

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

A. Patent Application No.(s)

☒ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: G. Gregory Schivley

Internal Address: Harness, Dickey & Pierce, P.L.C.

Street Address: P.O. Box 828

City: Bloomfield Hills

State: MI Zip: 48303

Phone Number : 248-641-1600

Fax Number: 248-641-0270

Email Address: bewade@hdp.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

8. Payment Information

- a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_  
b. Deposit Account Number 50-3213  
Authorized User Name Epson R&D

9. Signature :

G. Gregory Schivley Bryant E. Wade

Signature

May 13, 2005  
Date

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

05/18/2005 EICDPER 00000042 503213 11128848

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PATENT  
REEL: 016566 FRAME: 0693

**ATTACHMENT SHEET  
RECORDATION FORM COVER SHEET**

**HDP Docket No. 9319S-001138**

**1. Name of conveying party(ies)/Execution Date(s)**

4. Ryohei TAMURA

5. Michiyoshi TAKANO

Execution Date(s): April 26, 2005; April 26, 2005

Seiko Epson Ref. No.: J0110175US01

## 譲渡証 (Translation/日本語訳)

下記に署名した私/私達、

田中秀一、伊東登樹、有賀琴人、田村良平、高野道義 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、  
☐ \_\_\_\_\_に出願され、出願番号\_\_\_\_\_が交付され、  
☐ PCT 国際出願 \_\_\_\_\_として\_\_\_\_\_に出願され、

その発明は

半導体装置、回路基板、電気光学装置および電子機器

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若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伴う一切の権利；を、日本国東京都新宿区西新宿2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。

さらに、私/私達は、セイコーエプソン株式会社（以下譲受人とさう）が単数ないしは複数の当該発明（以下当該発明という）に関わる特許権を、自己の名により、合衆国とその属領及び全ての外国に於いて出願し、特許を受けること；またこの譲渡証の意図と目的を誠実に実行することを求められた場合、下記に署名した私/私達が、当該譲受人、その後継者、その被譲渡者、及び法定代理人の費用負担にて、一部継続出願、継続出願、分割出願、差替え出願、再発行出願、特許期間延長等を行い、合法的宣誓書、譲渡証、委任状等の書類を作成し、あらゆる法的または準法的訴訟手続に於いて証言を行うこと；当該発明とその経緯に関連して、下記に署名した私/私達が知り得た全ての事実を、当該譲受人、後継者、被譲渡者、及び法定代理人に連絡すること；そして当該譲受人、後継者、被譲渡者、及び法定代理人が、当該発明の特許権の適切な保護、維持、権利行使するために望ましいと考慮すること、また、当該発明に関わる特許出願に際し、当該譲受人、後継者、被譲渡者、及び法定代理人に対して法的権限を付与することが望ましいと考慮することについて、可能な限り行うことを承諾する。

## Assignment

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

Shuichi TANAKA, Haruki ITO, Yasuhito ARUGA,  
Ryohei TAMURA, Michiyoshi TAKANO,

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 \_\_\_\_\_ and assigned Serial No. \_\_\_\_\_  
☐ filed as International Application No. \_\_\_\_\_ filed on \_\_\_\_\_

and entitled:

SEMICONDUCTOR DEVICE, CIRCUIT SUBSTRATE, ELECTRO-OPTIC DEVICE AND ELECTRONIC APPLIANCE

Do hereby sell, assign and transfer to Seiko Epson Corporation, a corporation of Japan, having a place of business at 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.: J0110175US01

そして、私/私達は、この書面により譲渡された権利や財産に影響する、如何なる譲渡、授権、抵当権、ライセンス等その他の協定も他の第三者との間で行っていないこと；下記に署名した私/私達によって、この書面に記載されている権利が所有されていることを、当該譲受人、後継者、被譲渡者、及び法定代理人に対して誓約するものである。

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 田中 秀一	Full name of sole or first inventor Shuichi TANAKA
発明者の署名 田中 秀一	Inventor's signature Shuichi Tanaka
日付 2005年4月25日	Date April 25, 2005
第二共同発明者 (いる場合) 伊東 春樹	Full name of second joint inventor, if any Haruki ITO
第二共同発明者の署名 伊東 春樹	Second Inventor's signature Haruki Ito
日付 2005年4月22日	Date April 22, 2005
第三共同発明者 (いる場合) 有賀 泰人	Full name of third joint inventor, if any Yasuhito ARUGA
第三共同発明者の署名 有賀 泰人	Third Inventor's signature Yasuhito Aruga
日付 2005年4月22日	Date April 22, 2005
第四共同発明者 (いる場合) 田村 良平	Full name of fourth joint inventor, if any Ryohei TAMURA
第四共同発明者の署名 田村 良平	Fourth Inventor's signature Ryohei Tamura
日付 2005年4月26日	Date April 26, 2005
第五共同発明者 (いる場合) 高野 道義	Full name of fifth joint inventor, if any Michiyoshi TAKANO
第五共同発明者の署名 高野 道義	Fifth Inventor's signature Michiyoshi Takano
日付 2005年4月26日	Date April 26, 2005
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	Sixth Inventor's signature
日付	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	Seventh Inventor's signature
日付	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	Eighth Inventor's signature
日付	Date