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1. A. Name of conveying party:
Akinori YAMADA

B. Additional name(s) of conveying party(ies) attached?
 Yes No

2. A. Name and address of receiving party:
SEIKO EPSON CORPORATION
4-1, NISHI-SHINJUKU 2-CHOME
SHINJUKU-KU, TOKYO
JAPAN

B. Additional name(s) & address(es) attached?
 Yes No

3. A. Nature of conveyance:
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B. Execution Date: June 8, 2011

4. A. Patent Application No. 13/176,332 B. Patent No.(s)

Additional numbers attached? Yes No

C. Title of Application: RESONATOR ELEMENT, RESONATOR, AND OSCILLATOR

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

Name: James A. Oliff

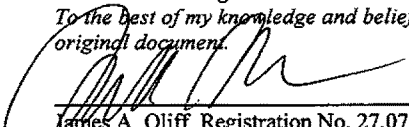
Address: **OLIFF & BERRIDGE, PLC**
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6. Total number of applications and patents involved: 1

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Date: July 5, 2011

James A. Oliff, Registration No. 27,075
Michelle K. Windom, Registration No. 65,466

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SEIKO EPSON Ref.No.:B0011979US01

譲渡証 (Translation/日本語訳)

Assignment

下記に署名した私/私達、

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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、
 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、

振動片、振動子及び発振器

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,

Akinori YAMADA,

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:

RESONATOR ELEMENT, RESONATOR, AND OSCILLATOR

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

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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.

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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.

上記を証明するため、私/私達は下記日付で署名する。

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		
山田 明法	Akinori YAMADA		
発明者の署名	日付	Inventor's signature	Date
山田 明法	2011年6月8日	Akinori Yamada	6/8/11
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