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**Tatsuya Shimoda, Hiroshi Kiguchi,
Satoru Miyashita**

Additional name(s) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):
**Seiko Epson Corporation
4-1, Nishishinjuku 2-chome
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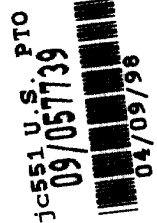
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04-28-1998



100695730

Execution Date: **March 25, 1998**

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

If this document is being filed with a new application, the execution date of the application is: **03/25/98**

A. Patent Application No.(s):

B. Patent No.(s):

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

**Jonathan P. Osha
Fish & Richardson P.C.
601 Thirteenth Street, N.W.
Washington, D.C. 20005**

6. Total number of applications/patents involved: **1**7. Total fee (37 CFR 3.41): **\$40**☒ Enclosed☐ Authorized to charge deposit account8. Deposit account number: **06-1050**

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PATENT
100695730
FILED 04/10/98

04/24/1998 TT0111 00000231 09057739

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ASSIGNMENT

譲渡証

ここにその受領と充足性が確認された善良で価値ある配慮の故に、文末に署名した者は、

(氏名または組織名)

(住所)

(以下「譲渡人」と呼ぶ)と、その承継人および譲受人に対して、
(発明の名称)

弁護士登録番号：

という名称で知られ、以下に署名した者が以下に記した日にアメリカ合衆国特許を申請した発明のアメリカ合衆国におけるすべての権利、権原および利権、ならびにその発明に対して行われるすべての特許申請とそれらによって得られる特許状ならびにそれらの分割、再申請、継続および延長を譲渡するものであり、さらにその利権は、当該特許状が譲受人、継承人、さらにその譲受人らまたは彼らの法的代理人に与えられたときに、当該特許状の全所有権をこの譲渡が行われなかった場合に譲渡人に当該特許状が与えられることにより譲渡人が受けたであろう期間の最後の日まで、完全無欠に授けられるものとする。この書状が、申請と同時に登録されない場合は、以下の認識情報が執行後に追加されるものとする。

シリアル・ナンバー

登録年月日：

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign(s), transfer(s) and set(s) over to: SEIKO EPSON CORPORATION

having the address:

4-1, Nishishinjuku 2-chome, Shinjuku-ku, Tokyo, 163-0811, Japan

(hereinafter designated as the "ASSIGNEE"), its successors and assigns, the entire right, title, and interest for the United States in the invention, and all applications for patent and any Letters Patent which may be granted therefor, including said application, and all united States Letters Patent which may be granted thereof, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of said Letters Patent when granted to be held by said ASSIGNEE, its successors, assigns or their legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been and enjoyed by assignor(s) if this assignment had not been made, the application being known by the title:

PRINTING APPARATUS, PRINTING METHOD, AND RECORDING MEDIUM

Attorney Docket No.:

for the which the undersigned has/have executed an application for patent in the United States of America on the same day herewith. Where this instrument is not filed concurrently with the application, the following identifying information may be added after execution:

Serial No.

Filling Date:

1. 文末に署名した者は、上記の申請、またはその継続出願、一部継続出願、さしかえ出願、分割出願、更新出願、再審査出願、または再発行出願、またはあらゆる修正、抵触審査手続の延長、又はその他権原を譲受人が確保するために必要なあらゆる文書を署名、執行することに同意する。

2. 文末に署名した者は、工業所有権の保護に関する国際条約または同様な条約のクレームまたは条項に関連して必要となるすべての文書を署名、執行し、必要な行為を行うことに同意する。

3. 文末に署名した者は、譲受人に有効な米国特許を取得させるために必要なすべての積極的な行為を実行することに同意する。

4. 文末に署名した者は、アメリカ合衆国の特許庁長官に対して、当該特許申請またはそれに基づくすべての分割、継続申請から生じるすべての特許状を当該譲受人に発行するように、請願する。

5. 文末に署名した者は、本状の登記に当りアメリカ合衆国特許庁の規則に従って必要であり、望ましいような識別情報をこの譲渡書に挿入する権利をフィッシュ・アンド・リチャードソン法律事務所に委任するものとする。

1. The undersigned hereby agree(s) to sign and execute any further documents and instruments which may be necessary, lawful and proper in the preparation of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extension of interference proceedings, or otherwise to secure the title thereto to the ASSIGNEE.

2. The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property of similar agreements.

3. The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the ASSIGNEE.

4. The undersigned hereby authorize(s) and request(s) the Commissioner of patents in the United States to issue any and all Letters Patents resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE.

5. The undersigned hereby grant(s) to the firm of Fish and Richardson P.C. the power to insert on this agreement 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 recordation of this document.

以上を確認のうえで、下記の者が下記の氏名に並んで記された日に各自、署名して本書を発効させるものである。

_____ 年月日	_____ 氏名 (楷書):
_____ 年月日	_____ 氏名 (楷書):
_____ 年月日	_____ 氏名 (楷書):
_____ 年月日	_____ 氏名 (楷書):
_____ 年月日	_____ 氏名 (楷書):
_____ 年月日	_____ 氏名 (楷書):

本譲渡書はアメリカ合衆国公証人または下記に署名する少なくとも2名の証人の前で署名されるものとする。

_____ 年月日	_____ 氏名 (楷書):
_____ 年月日	_____ 氏名 (楷書):

IN WITNESS THEREBY, executed by the undersigned on the date(s) opposite the undersigned names(s).

Mar 25, 1998 Tatsuya Shimoda
Date Typed Name: Tatsuya SHIMODA

Mar 25, 1998 Hiroshi Kiguchi
Date Typed Name: Hiroshi KIGUCHI

Mar. 25, 1998 Satoru Miyashita
Date Typed Name: Satoru MIYASHITA

Date Typed Name:

Date Typed Name:

Date Typed Name:

This assignment may be signed before a U.S. Notary Public or before at least two witnesses who also sign here:

Mar. 25, 1998 Osamu Yokoyama
Date Typed Name: Osamu YOKOYAMA

Mar. 25, 1998 Tatsuaki Funamoto
Date Typed Name: Tatsuaki FUNAMOTO