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11-28-2000



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Conveyance Type

Assignment Security Agreement

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Pages Enter the total number of pages of the attached conveyance document including any attachments. #

Application Number(s) or Patent Number(s) Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)			Patent Number(s)		
<input type="text" value="09/604,617"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

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Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>
PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>

Number of Properties Enter the total number of properties involved. #

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment: Enclosed Deposit Account


Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: #

Authorization to charge additional fees: Yes No

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. Charges to deposit account are authorized, as indicated herein.

Brian A. Comack (Reg. No. 45,343)  October 23, 2000

Name of Person Signing Signature Date

ASSIGNMENT

WHEREAS, Mitsuharu Shishido, a citizen of Japan, residing at c/o Seiko Precision Inc. 1-1, Akanehama 1-chome, Narashino-shi, Chiba-ken, Japan and Yuji Nakagaki, a citizen of Japan, residing at c/o Seiko Precision Inc. 1-1, Akanehama 1-chome, Narashino-shi, Chiba-ken, Japan (hereinafter referred to as "the Assignors") have invented certain new and useful improvements in a PRINTER, Serial No. 09/604,617 for which an application for United States Letters Patent is executed herewith and was filed on June 27, 2000 and

WHEREAS, SEIKO Precision Inc., having a principal place of business at 1-1, Akanehama 1-chome, Narashino-shi, Chiba-ken, Japan (hereinafter "the Assignee") is desirous of acquiring the entire right, title and interest in and to said application and the invention described therein, and each and every patent that can be issued on said application and on said invention in the United States of America and in its territories and possessions, and in all countries foreign to the United States of America;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of One Dollar (\$1.00), in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto the Assignee the full and exclusive right, title and interest in and to the aforesaid application, the aforesaid invention, and each and every patent that may be issued on the aforesaid invention and application in the United States of America, and in its territories and possessions and also in all countries foreign to the United States of America, the same to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors, assigns or other legal representatives to the end of the term or terms for which a patent or patents may be granted as fully and entirely as the same would

have been held and enjoyed by Assignors if this Assignment had not been made.

Assignors hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent on the aforesaid invention or resulting from the aforesaid application directly to the Assignee.

Assignors hereby authorize the Assignee and its successors to apply for a patent or patents directly in its own name upon the aforesaid invention wherever the same is permitted by law, and also assign, sell, transfer and set over unto the Assignee and its successors all priority rights under the aforesaid application.

Assignors further covenant to execute all additional instruments and to do all things necessary to carry out the purpose of this instrument, at the expense of the Assignee and its successors.

IN TESTIMONY WHEREOF, We have executed this document on the date indicated below.

Date: September 18, 2000

Mitsuharu Shishido

Mitsuharu Shishido

Date: September 18, 2000

Yuji Nakagaki

Yuji Nakagaki