

10-20-1998



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Akihiko YOSHIKAWA

MRD 10/8/98

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

2. Name and address of receiving party(ies):

Name: KABUSHIKI KAISHA TOSHIBA

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3. Nature of Conveyance:

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Execution Date: SEPTEMBER 30, 1998

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

If this document is being filed together with a new application, the execution date of the application is: SEPTEMBER 30, 1998

A. Patent Application No.(s)

09/168381

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

OBLON, SPIVAK, McCLELLAND, MAIER &  
NEUSTADT, P.C.  
Attorneys at Law  
Fourth Floor  
1755 Jefferson Davis Highway  
Arlington, Virginia 22202

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- ☒ Enclosed  
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PATENT  
REEL: 9510 FRAME: 0982

## A S S I G N M E N T

In consideration of value received, I, having a post office address at c/o Intellectual Property Division, KABUSHIKI KAISHA TOSHIBA, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan and a residence as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

A DIGITAL-TO-ANALOG CONVERTER IN WHICH AN ANALOG OUTPUT OF LOW ORDER BITS IS ATTENUATED, AND ADDED TO AN ANALOG OUTPUT OF HIGH ORDER BITS

said application having been filed on \_\_\_\_\_  
and assigned Serial No. \_\_\_\_\_;  
sell and assign to  
KABUSHIKI KAISHA TOSHIBA  
a corporation of Japan, having a business address at  
72 Horikawa-cho, Saiwai-ku, Kawasaki-shi, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent: (check one)

☒ executed concurrently herewith;

☐ executed separately herefrom;

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby grant the following law firm the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the U. S. Patent and Trademark Office for recordation of this document.

Oblon, Spivak, McClelland, Maier & Neustadt, P. C., Fourth Floor, 1755  
Jefferson Davis Highway, Arlington, Virginia 22202

# A S S I G N M E N T

98S0687

Inventor: (Signature)

Date

Residence

*Akihiko Yoshizawa*

SEP 30. 1998

Yokohama-shi, Japan

Akihiko Yoshizawa

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**RECORDED: 10/08/1998**

**PATENT  
REEL: 9510 FRAME: 0984**