

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Kiyoshi KOBAYASHI</td><td>10/08/2008</td></tr><tr><td>Hiroshi TANAKA</td><td>10/08/2008</td></tr><tr><td>Hiroshi KAZAMA</td><td>10/08/2008</td></tr></tbody></table>		Name	Execution Date	Kiyoshi KOBAYASHI	10/08/2008	Hiroshi TANAKA	10/08/2008	Hiroshi KAZAMA	10/08/2008
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Kiyoshi KOBAYASHI	10/08/2008								
Hiroshi TANAKA	10/08/2008								
Hiroshi KAZAMA	10/08/2008								
RECEIVING PARTY DATA									
Name:	NIPPON TELEGRAPH AND TELEPHONE CORPORATION								
Street Address:	3-1, Otemachi 2-chome, Chiyoda-ku								
City:	Tokyo								
State/Country:	JAPAN								
Postal Code:	100-8116								
PROPERTY NUMBERS Total: 1									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12296758</td></tr></tbody></table>		Property Type	Number	Application Number:	12296758				
Property Type	Number								
Application Number:	12296758								
CORRESPONDENCE DATA									
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Total Attachments: 2 source=333383USASSIGNMENT#page1.tif source=333383USASSIGNMENT#page2.tif									

OP \$40.00 12296758

PATENT

500676205

REEL: 021684 FRAME: 0022

Assignment of Application

Page 1 of 2

WHEREAS, I (WE) (1) Kiyoshi KOBAYASHI, (2) Hiroshi TANAKA and (3) Hiroshi KAZAMA

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

residing at (1) Yokosuka-shi, Kanagawa Japan,

(2) Yokosuka-shi, Kanagawa Japan and (3) Yokosuka-shi, Kanagawa Japan

INSERT TITLE
OF INVENTION:

have invented certain new and useful improvements in: DIGITAL SIGNAL DEMULTIPLEXING APPARATUS
AND MULTIPLEXING APPARATUS

INSERT DATE IN-
VENTORS SIGNED
DECLARATION:

for which an application for Letters Patent was executed on _____

(Application No. _____, filed _____), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

WHEREAS, NIPPON TELEGRAPH AND TELEPHONE CORPORATION

(hereinafter referred to as "ASSIGNEE") having a place of business at: 3-1, Otemachi 2-chome,

Chiyoda-ku, Tokyo 100-8116 Japan

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in 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 and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, 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 held by me (us) had this Assignment and sale not been made.

03/03

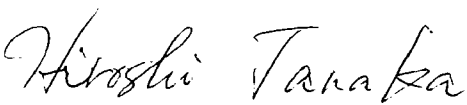
Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, 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.

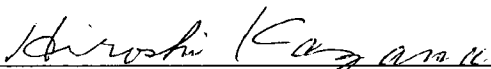
Date: October 8, 2008


(Signature of Inventor) Kiyoshi KOBAYASHI

Date: October 8, 2008


(Signature of Inventor) Hiroshi TANAKA

Date: October 8, 2008


(Signature of Inventor) Hiroshi KAZAMA

Date: _____

(Signature of Inventor)

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