

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

| <b>SUBMISSION TYPE:</b>  | NEW ASSIGNMENT                              |               |                |                     |            |                  |            |                   |            |
|--|---|---------------|----------------|---------------------|------------|------------------|------------|-------------------|------------|
| <b>NATURE OF CONVEYANCE:</b>   | ASSIGNMENT                                  |               |                |                     |            |                  |            |                   |            |
| <b>CONVEYING PARTY DATA</b>  |   |               |                |                     |            |                  |            |                   |            |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Tohru Watanabe</td> <td>07/25/2002</td> </tr> <tr> <td>Takashi Tanimoto</td> <td>07/25/2002</td> </tr> <tr> <td>Tatsuya Takahashi</td> <td>07/25/2002</td> </tr> </tbody> </table> |   | Name          | Execution Date | Tohru Watanabe      | 07/25/2002 | Takashi Tanimoto | 07/25/2002 | Tatsuya Takahashi | 07/25/2002 |
| Name   | Execution Date                              |               |                |                     |            |                  |            |                   |            |
| Tohru Watanabe   | 07/25/2002                                  |               |                |                     |            |                  |            |                   |            |
| Takashi Tanimoto   | 07/25/2002                                  |               |                |                     |            |                  |            |                   |            |
| Tatsuya Takahashi  | 07/25/2002                                  |               |                |                     |            |                  |            |                   |            |
| <b>RECEIVING PARTY DATA</b>  |   |               |                |                     |            |                  |            |                   |            |
| <b>Name:</b>   | Sanyo Electric Co., Ltd.                    |               |                |                     |            |                  |            |                   |            |
| <b>Street Address:</b>   | 5-5, Keihan-Hondori 2-chome, Moriguchi-shi, |               |                |                     |            |                  |            |                   |            |
| <b>City:</b>   | Osaka                                       |               |                |                     |            |                  |            |                   |            |
| <b>State/Country:</b>  | JAPAN                                       |               |                |                     |            |                  |            |                   |            |
| <b>Postal Code:</b>  | 570-8677                                    |               |                |                     |            |                  |            |                   |            |
| <b>PROPERTY NUMBERS Total: 1</b>   |   |               |                |                     |            |                  |            |                   |            |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12041740</td> </tr> </tbody> </table>  |   | Property Type | Number         | Application Number: | 12041740   |                  |            |                   |            |
| Property Type  | Number                                      |               |                |                     |            |                  |            |                   |            |
| Application Number:  | 12041740                                    |               |                |                     |            |                  |            |                   |            |
| <b>CORRESPONDENCE DATA</b>   |   |               |                |                     |            |                  |            |                   |            |
| <b>Fax Number:</b>   | (877)769-7945                               |               |                |                     |            |                  |            |                   |            |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>   |   |               |                |                     |            |                  |            |                   |            |
| <b>Phone:</b>  | (617) 521-7896                              |               |                |                     |            |                  |            |                   |            |
| <b>Email:</b>  | doherty@fr.com                              |               |                |                     |            |                  |            |                   |            |
| <b>Correspondent Name:</b>   | Paul A. Pysher                              |               |                |                     |            |                  |            |                   |            |
| <b>Address Line 1:</b>   | FISH & RICHARDSON P.C.                      |               |                |                     |            |                  |            |                   |            |
| <b>Address Line 2:</b>   | P.O.BOX 1022                                |               |                |                     |            |                  |            |                   |            |
| <b>Address Line 4:</b>   | MINNEAPOLIS, MINNESOTA 55440-1022           |               |                |                     |            |                  |            |                   |            |
| <b>ATTORNEY DOCKET NUMBER:</b>   | 10449-049002                                |               |                |                     |            |                  |            |                   |            |
| <b>NAME OF SUBMITTER:</b>  | Matthew G. Doherty                          |               |                |                     |            |                  |            |                   |            |
| <b>Total Attachments: 1</b><br>source=assign049002#page1.tif   |   |               |                |                     |            |                  |            |                   |            |

CH \$40.00 12041740

**PATENT**

ASSIGNMENT OF APPLICATION

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned inventor(s) hereby:

1) Sell(s), assign(s) and transfer(s) to SANYO ELECTRIC CO., LTD. (hereinafter referred to as "ASSIGNEE"), which has a business office at 5-5, Keihan-Hondori 2-chome, Moriguchi-shi, Osaka 570-8677 Japan, the entire right, title, and interest in any and all inventions and improvements disclosed in, application(s) based upon, and Patent(s) granted upon the information which is disclosed in the application entitled:

IMAGE SIGNAL PROCESSOR

(File No. \_\_\_\_\_) for which I (we) have executed an application for a United States Letters Patent on July 25, 2002 (Application Serial No. \_\_\_\_\_ filed on \_\_\_\_\_.)

2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application, or any division, continuation, substitute or reissue thereof, to the ASSIGNEE.

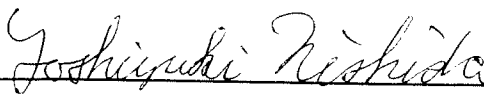
3) Agree to execute all papers and documents and perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof and/or the enforcement of patents resulting from such applications.

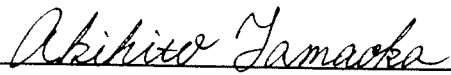
Signed on the date(s) indicated beside my (our) signature(s).

1)  Date: July 25, 2002  
Name: Tohru WATANABE

2) Takashi Tanimoto Date: July 25, 2002  
Name: Takashi TANIMOTO

3) Tatsuya Takahashi Date: July 25, 2002  
Name: Tatsuya TAKAHASHI

Witness:  Date: July 25, 2002  
Name:

Witness:  Date: July 25, 2002  
Name: