

## PATENT ASSIGNMENT

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| SUBMISSION TYPE:   | NEW ASSIGNMENT                    |
| NATURE OF CONVEYANCE:  | ASSIGNMENT                        |
| CONVEYING PARTY DATA   |                                   |
| Name   | Execution Date                    |
| NTT-ME Corporation   | 12/28/2007                        |
| RECEIVING PARTY DATA   |                                   |
| Name:  | Sharp Kabushiki Kaisha            |
| Street Address:  | 22-22, Nagaike-cho, Abeno-ku      |
| City:  | Osaka                             |
| State/Country:   | JAPAN                             |
| Postal Code:   | 545-8522                          |
| PROPERTY NUMBERS Total: 1  |                                   |
| Property Type  | Number                            |
| Application Number:  | 10466865                          |
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| ATTORNEY DOCKET NUMBER:  | 59568(72012)                      |
| NAME OF SUBMITTER:   | Steven M. Jensen                  |
| Total Attachments: 3<br>source=59568(72012) Assignment#page1.tif<br>source=59568(72012) Assignment#page2.tif<br>source=59568(72012) Assignment#page3.tif |                                   |

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## **ASSIGNMENT**

**WHEREAS**, NTT-ME Corporation, a corporation organized under and pursuant to the laws of Japan, having its principal place of business at 1-105, Kandajinbocho, Chiyoda-ku, Tokyo 101-8413 JAPAN (hereinafter referred to as Assignor), is co-owner, by assignment, of the Patent Application listed in *Schedule A*; and

**WHEREAS**, Sharp Kabushiki Kaisha, a corporation organized under and pursuant to the laws of Japan, having its principal place of business at 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 JAPAN (hereinafter referred to as Assignee), and co-owner, by assignment, of the Patent Application listed in *Schedule A*, is desirous of acquiring the entire right, title and interest in, to and under said Patent Application and the invention covered thereby;

**NOW, THEREFORE**, for good and valuable consideration, receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over to said Assignee, its right, title and interest for the United States of America and all other countries in and to said Patent Application for all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefore in the United States of America and all other countries, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all such patents to said Assignee herein, as assignee of the entire interest therein; and the undersigned for itself and its legal representatives, heirs and assigns does hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, continuation-in-part, reissue and other applications for Letters Patent and all assignments thereof to said Assignee or its assigns, to communicate to said Assignee or its representatives all facts known to the undersigned respecting said invention whenever requested, to testify in any interferences or other legal proceedings in which said application or patent may become involved, to sign all lawful papers, make all rightful oaths, and do generally

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everything necessary to aid Assignee, its successors, assigns and nominees to obtain patent protection for said invention in the United States of America and all other countries, the expenses incident to said Patent Application listed on *Schedule A* to be borne and paid by said Assignee;

**AND** Assignor hereby grants the following individuals 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 United States Patent and Trademark Office for recordation of this document:

EDWARDS ANGELL PALMER & DODGE LLP

All practitioners at Customer Number 21874.

**NTT-ME CORPORATION**

  
Name: Toshitaka Fujii

December 28, 2007  
Date:

Title: Executive vice President  
Senior Executive Manager  
Network Business Headquarters

**SCHEDULE A**

| <b>Application<br/>Number</b> | <b>Filing Date</b> | <b>Inventor</b> | <b>Title</b>   |
|-------------------------------|--------------------|-----------------|----------------|
| 10/466,865                    | November 13, 2003  | M. Amano et al  | CONTROL SYSTEM |