

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Toppan Printing Co., Ltd.	09/26/2005
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Sharp Kabushiki Kaisha
<b>Street Address:</b>	22-22 Nagaike-cho, Abeno-ku
<b>City:</b>	Osaka
<b>State/Country:</b>	JAPAN
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	5671031
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)293-7860
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<b>Total Attachments: 1</b> source=047305 NGB Assignment (1)#page1.tif	

**CH \$40.00 5671031**

## Assignment

Whereas, **Toppan Printing Co., Ltd.**, of 5-1, Taito 1-chome, Taito-ku, Tokyo, Japan, hereinafter referred to as "Assignor", and **Sharp Kabushiki Kaisha**, of 22-22 Nagaike-cho, Abeno-ku, Osaka, Japan, hereinafter referred to as "Assignee", are owners of each undivided one-half right, title and interest in United States Patent **No. 5,671,031**; and

Whereas, the above-named Assignee desires to acquire the entire right, title, and interest of the above-named Assignor in the said U.S. Patent;

Now, therefore, for valuable consideration, receipt of which is hereby acknowledged, Assignor hereby sells, assigns and transfers to Assignee, its successors and assigns, the entire right, title and interest of Assignor in the said U.S. Patent, and any reissues or re-examinations thereof, together with all claims for damages by reason of past infringement of the said U.S. Patent with the right to Assignee to sue for and collect the same for their own use and enjoyment.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor further covenants that upon request by the Assignee, Assignor will promptly provide to Assignee all pertinent facts and documents relating to the invention claimed in the said U.S. Patent and legal equivalents as may be known and accessible to Assignor, and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to Assignee or its legal representative any and all papers instruments or affidavits required to apply for, obtain, maintain, issue and enforce the said U.S. Patent which may be necessary by Assignee.

**Toppan Printing Co., Ltd.**

**Date:** September 26, 2005

**By:** Tsuneaki Hagiwara

Tsuneaki Hagiwara

**Title:** General Manager, Legal Division