

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>Atsushi Tanaka</td> <td>07/25/2012</td> </tr> <tr> <td>Takayuki Tsuji</td> <td>07/24/2012</td> </tr> </tbody> </table>		Name	Execution Date	Atsushi Tanaka	07/25/2012	Takayuki Tsuji	07/24/2012						
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<table border="1"> <tr> <td>Name:</td> <td>Brother Kogyo Kabushiki Kaisha</td> </tr> <tr> <td>Street Address:</td> <td>15-1 Naeshiro-cho,</td> </tr> <tr> <td>Internal Address:</td> <td>Mizuho-ku,</td> </tr> <tr> <td>City:</td> <td>Nagoya-shi, Aichi-ken</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>467-8561</td> </tr> </table>		Name:	Brother Kogyo Kabushiki Kaisha	Street Address:	15-1 Naeshiro-cho,	Internal Address:	Mizuho-ku,	City:	Nagoya-shi, Aichi-ken	State/Country:	JAPAN	Postal Code:	467-8561
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CORRESPONDENCE DATA													
<p>Fax Number: 2026397890 Phone: 202 639-7700 Email: chad.cullen@bakerbotts.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Baker Botts, LLP Address Line 1: 1299 Pennsylvania Avenue, NW Address Line 2: The Warner Address Line 4: Washington, DISTRICT OF COLUMBIA 20004-2400</p>													
ATTORNEY DOCKET NUMBER:	076376.2258												
NAME OF SUBMITTER:	Chad M. Cullen												
Total Attachments: 1 source=Assignment_2258#page1.tif													

CH \$40.00 13560715

ASSIGNMENT

(1-8) **Insert Name(s) of Inventor(s)**

(1) Atsushi TANAKA (5) _____

(2) Takayuki TSUJI (6) _____

(3) _____ (7) _____

(4) _____ (8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) **Insert Name of Assignee** (9) BROTHER KOGYO KABUSHIKI KAISHA

(10) **Insert Address of Assignee** (10) 15-1, Naeshiro-cho, Mizuho-ku, Nagoya, Aichi 467-8561, Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) **Insert Identification of Invention such as Title, Case Number, or Foreign Application Number** (11) Electronic Device

(Attorney Docket No. 076376.2258)

for which the undersigned has (have) executed an application for patent in the United States of America

(12) **Insert Date of Signing of Application** (12) on July 25, 2012 ; July 24, 2012

(13) **Alternative Identification for filed applications** (13) U.S. application Serial Number 13/560,715

filed July 27, 2012

1) The undersigned agree(s) to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignees may deem necessary.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreements in conflict herewith.

6) The undersigned hereby grant(s) the firm of **BAKER BOTTS LLP** 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.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 2012/7/25 Name of Inventor Atsushi Tanaka (SEAL)
Atsushi TANAKA

Date 2012/7/24 Name of Inventor Takayuki Tsuji (SEAL)
Takayuki TSUJI

Date _____ Name of Inventor _____ (SEAL)

Date _____ Name of Inventor _____ (SEAL)

Date _____ Name of Inventor _____ (SEAL)

PATENT