

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>Toru OKA</td><td>12/08/2006</td></tr><tr><td>Yoichi OHMURA</td><td>12/07/2006</td></tr></tbody></table>		Name	Execution Date	Toru OKA	12/08/2006	Yoichi OHMURA	12/07/2006				
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>MITSUBISHI DENKI KABUSHIKI KAISHA</td></tr><tr><td>Street Address:</td><td>7-3, Marunouchi 2-chome, Chiyoda-ku</td></tr><tr><td>City:</td><td>Tokyo</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>100-8310</td></tr></table>		Name:	MITSUBISHI DENKI KABUSHIKI KAISHA	Street Address:	7-3, Marunouchi 2-chome, Chiyoda-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	100-8310
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PROPERTY NUMBERS Total: 1											
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Application Number:	11571617										
CORRESPONDENCE DATA											
Fax Number: (703)413-2220 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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NAME OF SUBMITTER:	Gafar Kangam										
Total Attachments: 2 source=300965USAssignment#page1.tif source=300965USAssignment#page2.tif											

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PATENT
REEL: 021163 FRAME: 0845

Assignment of Application

INSERT NAME
AND RESIDENCE
ADDRESS OF
THE INVENTOR

WHEREAS, I (WE) Toru OKA of c/o MITSUBISHI DENKI KABUSHIKI KAISHA, 7-3, Marunouchi,
2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN, and
Yoichi OHMURA of c/o MITSUBISHI DENKI KABUSHIKI KAISHA, 7-3, Marunouchi,
2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN

 _____, respectively.

INSERT TITLE OF
INVENTION

have invented certain new and useful improvements in: OPTICAL ENCODER

(Application No. 11/571,617, filed January 4, 2007), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

WHEREAS, MITSUBISHI DENKI KABUSHIKI KAISHA
 (hereinafter referred to as "ASSIGNEE") having a place of business at: 7-3, Marunouchi 2-chome, Chiyoda-ku,
TOKYO 100-8310 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.

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: Dec. 8, 2006

Toru Oka
(Signature of inventor) Toru OKA

Date: Dec 7, 2006

Yoichi Ohmura
(Signature of inventor) Yoichi OHMURA

Date: _____

(Signature of inventor)

Date: _____

(Signature of inventor)

Date: _____

(Signature of inventor)

Date: _____

(Signature of inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314