

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>Hajime NAKAJIMA</td><td>09/24/2010</td></tr><tr><td>Takuya NOGUCHI</td><td>10/01/2010</td></tr><tr><td>Takeshi MUSHA</td><td>10/01/2010</td></tr><tr><td>Youichi OMURA</td><td>09/29/2010</td></tr><tr><td>Toshiro NAKASHIMA</td><td>10/01/2010</td></tr><tr><td>Tatsuya NAGATANI</td><td>10/01/2010</td></tr><tr><td>Takashi IWAMOTO</td><td>10/01/2010</td></tr></tbody></table>		Name	Execution Date	Hajime NAKAJIMA	09/24/2010	Takuya NOGUCHI	10/01/2010	Takeshi MUSHA	10/01/2010	Youichi OMURA	09/29/2010	Toshiro NAKASHIMA	10/01/2010	Tatsuya NAGATANI	10/01/2010	Takashi IWAMOTO	10/01/2010
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<table border="1"><tr><td>Name:</td><td>mitsubishi electric corporation</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 electric corporation	Street Address:	7-3, Marunouchi 2-chome, Chiyoda-ku	City:	Tokyo	State/Country:	Japan	Postal Code:	100-8310						
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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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PATENT
REEL: 025223 FRAME: 0991

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NAME OF SUBMITTER:

Etsegenet Nega

Total Attachments: 2

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Assignment of Application

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

WHEREAS, I (WE) Hajime NAKAJIMA, Takuya NOGUCHI, Takeshi MUSHI, Youichi OMURA,
Toshiro NAKASHIMA, Tatsuya NAGATANI and Takashi IWAMOTO of c/o Mitsubishi Electric
Corporation, 7-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN

INSERT TITLE OF
INVENTION:

have invented certain new and useful improvements in: OPTICAL ENCODER

(Application No. _____, filed _____), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE:

WHEREAS, Mitsubishi Electric Corporation

(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.

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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, L.L.P. 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: <u>September 24, 2010</u>	<u>Hajime Nakajima</u> (Signature of Inventor) Hajime NAKAJIMA
Date: <u>October 1, 2010</u>	<u>Takuya Noguchi</u> (Signature of Inventor) Takuya NOGUCHI
Date: <u>October 1, 2010</u>	<u>Takeshi Mushi</u> (Signature of Inventor) Takeshi MUSAHA
Date: <u>September 29, 2010</u>	<u>Yoshiaki Omura</u> (Signature of Inventor) Yoshiaki OMURA
Date: <u>October 1, 2010</u>	<u>Toshiro Nakashima</u> (Signature of Inventor) Toshiro NAKASHIMA
Date: <u>October 1, 2010</u>	<u>Tatsuya Nagatani</u> (Signature of Inventor) Tatsuya NAGATANI
Date: <u>October 1, 2010</u>	<u>Takashi Iwamoto</u> (Signature of Inventor) Takashi IWAMOTO
Date: _____	_____ (Signature of Inventor)
Date: _____	_____ (Signature of Inventor)
Date: _____	_____ (Signature of Inventor)

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

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