

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Damien CASTELAIN</td> <td>08/25/2009</td> </tr> <tr> <td>Loic BRUNEL</td> <td>08/06/2009</td> </tr> <tr> <td>David MOTTIER</td> <td>08/25/2009</td> </tr> <tr> <td>Cristina CIOCHINA</td> <td>08/06/2009</td> </tr> </tbody> </table>		Name	Execution Date	Damien CASTELAIN	08/25/2009	Loic BRUNEL	08/06/2009	David MOTTIER	08/25/2009	Cristina CIOCHINA	08/06/2009
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PROPERTY NUMBERS Total: 1											
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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> Phone: (703) 413-3000 Email: ajoya@oblon.com Correspondent Name: Oblon, Spivak, et al. Address Line 1: 1940 Duke Street Address Line 4: Alexandria, VIRGINIA 22314											
ATTORNEY DOCKET NUMBER:	345978US										
NAME OF SUBMITTER:	Abdul Joya										
Total Attachments: 2 source=345978USAssignment#page1.tif											

OP \$40.00 12526551

500969754

PATENT
REEL: 023270 FRAME: 0455

Docket No. 345978US2 PCT

Assignment of Application

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

WHEREAS, I (WE) (1) Damien CASTELAIN

(2) Loic BRUNEL

(3) David MOTTIER

(4) Cristina CIOCHINA

all of MITSUBISHI ELECTRIC R&D CENTRE EUROPE 1, allée de Beaulieu, CS 10806,
Rennes Cedex 7 F-35708, France

, respectively,

INSERT TITLE OF
INVENTION:

have invented certain new and useful improvements in: METHOD OF RATIO DATA EMISSION, EMITTER AND
RECEIVER USING THE METHOD

(Application No. _____, filed _____), and

WHEREAS, mitsubishi electric corporation

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE:

(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.

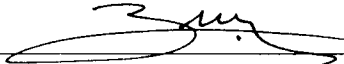
The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 25/08/09

(Signature of Inventor)


Damien CASTELAINDate: 26/09/09

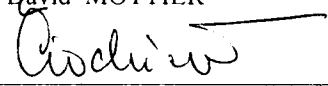
(Signature of Inventor)


Loic BRUNELDate: 25/08/09

(Signature of Inventor)


David MOTTIERDate: 06/08/09

(Signature of Inventor)


Cristina CIOCHINA

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW

1940 DUKE STREET

ALEXANDRIA, VIRGINIA 22314