

PATENT ASSIGNMENT COVER SHEET

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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>TAKASHI MAEDA</td> <td>12/20/2013</td> </tr> <tr> <td>YUJI IGARASHI</td> <td>12/20/2013</td> </tr> <tr> <td>YUJI HAMADA</td> <td>12/20/2013</td> </tr> <tr> <td>HISASHI SUGAWARA</td> <td>12/20/2013</td> </tr> <tr> <td>TAKATOSHI TOSA</td> <td>12/20/2013</td> </tr> </tbody> </table>		Name	Execution Date	TAKASHI MAEDA	12/20/2013	YUJI IGARASHI	12/20/2013	YUJI HAMADA	12/20/2013	HISASHI SUGAWARA	12/20/2013	TAKATOSHI TOSA	12/20/2013
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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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Application Number:	14238692												
CORRESPONDENCE DATA													
Fax Number:	(703)205-8050												
Phone:	703.205.8000												
Email:	kara.e.crestwell@bskb.com, mailroom@bskb.com												
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>													
Correspondent Name:	BIRCH STEWART KOLACH & BIRCH, LLP												
Address Line 1:	P.O. BOX 747												
Address Line 4:	FALLS CHURCH, VIRGINIA 22042												
ATTORNEY DOCKET NUMBER:	1163-1109PUS1												
NAME OF SUBMITTER:	KARA E CRESTWELL												

Signature:	/kara e crestwell/
Date:	02/18/2014
Total Attachments: 2 source=2014_02_12_ASSIGNMENT_1163-1109PUS1#page1.tif source=2014_02_12_ASSIGNMENT_1163-1109PUS1#page2.tif	

BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Application No. 14/238,692

Filed February 12, 2014

Insert Name(s)
of Inventor(s)

*****(Given Name FAMILY NAME (ALL CAPS))*****

WHEREAS, we, (1) Takashi MAEDA

(2) Yuji IGARASHI

(3) Yuji HAMADA

(4) Hisashi SUGAWARA

(5) Takatoshi TOSA

all of c/o Mitsubishi Electric Corporation, Tokyo, Japan

Insert Title
of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in
VEHICLE-MOUNTED COMMUNICATION DEVICE AND NAVIGATION DEVICE EQUIPPED WITH THIS VEHICLE-MOUNTED
COMMUNICATION DEVICE, COMMUNICATION DEVICE FOR PEDESTRIANS AND NAVIGATION DEVICE EQUIPPED WITH
THIS COMMUNICATION DEVICE FOR PEDESTRIANS, AND PEDESTRIAN-TO-VEHICLE COMMUNICATION SYSTEM

for which an application for Letters Patent of the United States of America has been executed by the
undersigned (except in the case of a provisional application).

Insert Date
of Signing of
Application

December 20, 2013 on _____; and

Insert Name
of Assignee

WHEREAS, Mitsubishi Electric Corporation

Insert Address
of Assignee

of 7-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310 Japan

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is
desirous of acquiring the entire right, title and interest in and to said invention and in and to any
Letters Patent(s) that may be granted therefor in the United States of America and

CHECK BOX
IF APPROPRIATE

in any foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand
paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the
undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and
transfer unto said Assignee the full and exclusive right to the said invention in the United States of
America, its territories, dependencies and possessions and the entire right, title and interest in and to
any and all Letters Patent(s) which may be granted therefor in the United States of America, its
territories, dependencies and possessions, and if the box above is designated, in any and all foreign
countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full
term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

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

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, 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 U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

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

Date December 20, 2013, Name of Inventor Takashi Maeda
 (signature) Takashi MAEDA

Date December 20, 2013, Name of Inventor Yuji IGARASHI
 (signature) Yuji IGARASHI *December 20, 2013 Y.I*

Date December 20, 2013, Name of Inventor YUJI HAMADA
 (signature) Yuji HAMADA

Date December 20, 2013, Name of Inventor Hisashi SUGAWARA
 (signature) Hisashi SUGAWARA

Date December 20, 2013, Name of Inventor Takatoshi TOSA
 (signature) Takatoshi TOSA

Date _____, Name of Inventor _____
 (signature) _____