

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2869106

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the THE SPELLING OF THE NAME OF THE FIRST INVENTOR previously recorded on Reel 028029 Frame 0740. Assignor(s) hereby confirms the CORRECT NAME OF THE FIRST INVENTOR SHOULD BE AMBAI, MITSURU.
CONVEYING PARTY DATA	
Name	Execution Date
MITSURU AMBAI	04/23/2014
YUICHI YOSHIDA	03/28/2012
RECEIVING PARTY DATA	
Name:	DENSO IT LABORATORY, INC.
Street Address:	SHIBUYA CROSS TOWER 28TH FLOOR
Internal Address:	2-15-1, SHIBUYA, SHIBUYA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	150-0002
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13405723
CORRESPONDENCE DATA	
Fax Number:	(703)205-8050
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	703-205-8000
Email:	david.o.amanfo@bskb.com, mailroom@bskb.com
Correspondent Name:	BIRCH, STEWART, KOLASCH & BIRCH, LLP
Address Line 1:	P.O. BOX 747
Address Line 4:	FALLS CHURCH, VIRGINIA 22040-0747
ATTORNEY DOCKET NUMBER:	3691-0149PUS1
NAME OF SUBMITTER:	DAVID OFORI-AMANFO
SIGNATURE:	/David Ofori-Amanfo/
DATE SIGNED:	05/22/2014
Total Attachments: 6	
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PATENT

REEL: 033007 FRAME: 0516

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>Mitsuru ANBAI</td> <td>03/28/2012</td> </tr> <tr> <td>Yuichi YOSHIDA</td> <td>03/28/2012</td> </tr> </tbody> </table>		Name	Execution Date	Mitsuru ANBAI	03/28/2012	Yuichi YOSHIDA	03/28/2012				
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ATTORNEY DOCKET NUMBER:	3691-0149PUS1										
NAME OF SUBMITTER:	Michael R. Cammarata										
<p>Total Attachments: 2</p> <p>source=2012-04-03 - Assignment - 3691-0149PUS1#page1.tif</p> <p>source=2012-04-03 - Assignment - 3691-0149PUS1#page2.tif</p>											

OP \$40.00 13405723

BIRCH, STEWART, KOLASCH & BIRCH, LLPUNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS**ASSIGNMENT**Application No. 13/405,723 Filed February 27, 2012Insert Name(s)
of Inventor(s)

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

WHEREAS, Mitsuru ANBAI, Yuichi YOSHIDA (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in:

Insert Title
of Invention

LOCAL FEATURE AMOUNT CALCULATING DEVICE, METHOD OF CALCULATING LOCAL FEATURE AMOUNT, CORRESPONDING POINT SEARCHING APPARATUS, AND METHOD OF SEARCHING CORRESPONDING POINT

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
ApplicationOn March 28, 2012; andInsert Name
of Assignee
Insert Address
of AssigneeWHEREAS, **DENSO IT LABORATORY, INC.**

of Shibuya Cross Tower 28th Floor, 2-15-1, Shibuya, Shibuya-ku Tokyo 150-0002, 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, for good and valuable consideration, the receipt of which is hereby acknowledged, 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 <u>March 28, 2012</u>	Name of Inventor <u>Mitsuru Anbai</u> (signature) Mitsuru ANBAI
Date <u>March 28, 2012</u>	Name of Inventor <u>Yuichi Yoshida</u> (signature) Yuichi YOSHIDA
Date _____	Name of Inventor _____ (signature)
Date _____	Name of Inventor _____ (signature)
Date _____	Name of Inventor _____ (signature)
Date _____	Name of Inventor _____ (signature)

BIRCH, STEWART, KOLASCH & BIRCH, LLP

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UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Application No.: 13/405,723 Filed: February 27, 2012

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Insert Name(s) of Inventor(s) WHEREAS, Mitsuru ANBAI, Yuichi YOSHIDA
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Insert Title of Invention LOCAL FEATURE AMOUNT CALCULATING DEVICE, METHOD OF CALCULATING LOCAL FEATURE AMOUNT, CORRESPONDING POINT SEARCHING APPARATUS, AND METHOD OF SEARCHING CORRESPONDING POINT

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 Appln. on _____; and

Insert Name of Assignee WHEREAS, DENSO IT LABORATORY, INC.

Insert Address of Assignee of Shibuya Cross Tower 28th Floor, 2-15-1, Shibuya, Shibuya-ku Tokyo 150-0002, 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, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has (have) sold, assigned and transferred, and by these presents does (do) 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.

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

Date <u>April 23, 2014</u>	Name of Inventor	<u>Mitsuru Ambai</u> (Signature) Mitsuru AMBAI
Date _____	Name of Inventor	_____ (Signature) Yuichi YOSHIDA
Date _____	Name of Inventor	_____ (Signature)
Date _____	Name of Inventor	_____ (Signature)
Date _____	Name of Inventor	_____ (Signature)