PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Genadi VELEV	09/06/2010
Kilian WENIGER	09/09/2010
Jun HIRANO	09/07/2010
Shinkichi IKEDA	09/06/2010

RECEIVING PARTY DATA

Name:	Panasonic Corporation
Street Address:	1006 Oaza Kadoma, Kadoma-shi
City:	Osaka-shi, Osaka-fu
State/Country:	JAPAN
Postal Code:	571-8501

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12919993

CORRESPONDENCE DATA

Fax Number: (202)659-1559

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Email: jledbetter@dickinsonwright.com

Correspondent Name: James E Ledbetter
Address Line 1: 1875 Eye Street, NW

Address Line 2: SUITE 1200

Address Line 4: Washington, DISTRICT OF COLUMBIA 20006

ATTORNEY DOCKET NUMBER:	007725-10111
NAME OF SUBMITTER:	James E. Ledbetter

Total Attachments: 3

PATENT REEL: 025048 FRAME: 0263 OP \$40.00 12919993

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	Gorman Firm Reft	PA56988US-DK (37903ver
US Firm Name; DW	US Firm Ref:	
ACCION	K & Francis 1	
ASSIGN		· •
WHEREAS, the undersigned has (have) invented the invention entitled:		
Title of Invention: INFORMATION EXCHANGE BETWEEN GATEWAYS FOR MANAGEMENT		
1. For use when signing Deciaration prior to filing U.	S. palent application (chock only and	bax bolowj
(a)⊜ for which an application for U.S. patent has been executed b	y the undersigned concurren	ntiy herewith, or
(b) for which an application for U.S. patent has been executed o of Pedievition & Assignment are signed on the sense day cheek (a) and make no entry in the blank; if the	n the following date(s):	. 08
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Ger the PCPUS hadonal some cheek only is and enter PCT analication number to the rights	PCT Application No.	PCT/EP2009/001468 and,
2. For use when signing Declaration	į	
(d)□ for which an epplication for U.S. patent has been filed on:	Application Filing Date	August 27, 2010 and,
designated as the United States) and in all countries foreign to the Uniter application(s) disclosing said invention, including provisionals, non-provis reissues thereof in the United States and all countries foreign to the Unite sill rights of priority created by this patent application under any treaty renevals, extensions, reissues and reexamination certificates which in infringement thereunder, in the United States and In all countries foreign to The undersigned agree(s) to execute all papers necessary in conner sill papers and documents and perform any act which may be necessary for Protection of industrial Property or similar agreements, all papers in concerning this application or any and all Related Applications thereof an and producing evidence and proceeding with such interference, and for as title and interest in and to said invention, this application and any and all legal proceeding relating thereto and in support thereof, for the benefit of with such applications as the Assignee(s) may deem necessary or expective.	ideals, conversions, divisions, of States (hersinafter designater relating thereto; and (iii) any any be granted therefore, and of the United States for the full tection with this application and are connection with datms or proceedary in connection with and to cooperate with the Assignary and all illigations regerding, of Related Applications or Letters & Assignee(s), and also to execu	continuations, continuations-in-part and it as "Related Applications"), along with and all Letters Patent(s), including all all rights to sue for past and future trn or terms thereof, by and all Related Applications thereof, wislons of the international Convention y interference which may be declared re(s) in every way possible in obtaining in for the purpose of protecting the right, admit(s) therefore, and to testify in any

-		(e) First Name, Last Name	(f) Signature	(g) Date signed
	(1)	Genadi VELEV	Genadi Veler	6. Sep 2010
	(2)	Kilian WENIGER		Morali, Oula, You
	(3)	Jun HIRANO		Morrin, Bale, Year
	(4)	Shinkichi KEDA	Shileigh 7 leads	Month, Dale, Yuai

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		<u> KL37903ver</u>
US Firm Ref:	007725-10111	
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5. palent apparcation (check only one	box balow)	иовіцяту
by the undersigned concurren	tly herewith, or	
on the following date(s): Decleration was signed before the Assignment.	enter the date(s) on which you it	tenes the Brelander
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Application Filing Date	August-2	7, 2010 and
-	S patent apprecion (check only one by the undersigned concurrent the following date(s): Decleration was signal before his Assignment. PCT Application No. puter thing U.S. patent application	ROUTE OPTIMIZATION WITH NETWORK-BASED M. S. palent appareaution (check only one box bolow) by the undersigned concurrently herewith, or in the following date(s): Declaration reasonable before must distrement, enter the develor on stock you in PCT Application No. PCT/EP2009 precision U.S. patent application Application Filing Date. August 2

representatives and assigns (hereinsiter designated as "Assignee(s)") is/are desirous of acquiring the entire right, ritle, and interest in and to

said invention and in and to any Letters Patent(s) that may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and intended to NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and intended to be togally bound hereby, the undersigned, by these presents, does sell, assign and transfer unto said Assignee(s) like entire and exclusive right, the and interest in and to: (f) said Invention in the United States of America, its territories, dependencies and possessions (Rereinatter designated as the United States) and in all countries foreign to the United States; and (ii) this patent application and any and all relaped patent application(s) disclosing said invention, including provisionals, non-provisionals, conversions, divisions, continuations, continuations-in-part and relisaves thereof in the United States and all countries foreign to the United States, (hereinatter designated as "Related Applications"), along with all rights of priority greated by this patent application under any treaty relating thereto; and (iii) any and all Letters Patent(s), including all renewals, extensions, reisavos and reassimination certificates which may be granted therefore, and ell rights to see for past and future intringement thereunder, in the United States and in all countries foreign to the United States for the full term or terms thereof.

The undersigned agree(s) to execute all papers necessary in connection with this application and any and all Related Applications thereof, sit papers and documents and perform any act which may be necessary in connection with dialms or provisions of the international Convention for Protection of industrial Proporty or similar agreements, all papers necessary in connection with any interference which may be declared

sil papers and documents and perform any act which may be necessary in connection with daims or provisions of the international Convention for Protection of industrial Proporty or similar agreements, all papers necessary in connection with any interference which may be declared concerning this application or any and all Related Applications thereof and to cooperate with the Assignee(s) in every way possible in obtaining and producing evidence and proceeding with such interference, and for any and all Related Applications regarding, or for the purpose of protecting the right, interest in and to said invention, this application and any and all Related Applications or Letters Patent(s) therefore, and to testify in any legal proceeding relating thereto and in support thereof, for the benefit of Assignee(s), and also to execute separate assignments in connection with such applications as the Assignee(s) may deem necessary or expedient.

The undersigned agree(s) to portorn all affirmative acts which may be necessary to obtain a grant of a valid United States and any foreign nations is in the Assignee(s) and to vest all incints hereby conveyed in the Assignee(s) as fully and entirely as the come would have been here by

patient(s) to the Assignee(s) and to vest all rights hereby conveyed to the Assignee(s) as fully and entirely as the same would have been held by the undersigned if this Assignment had not been made.

The undersigned hereby authorize(s) and request(s) the Commissionur of Patents, and officials of all foreign countries, whose duty is to issue patents, to issue any and all Lotters Patent(s) resulting from said application or any and all Related Applications thereof to said Assignos(s) and hereby covenants that the undersigned has (hove) full right to convoy the entire interest hereif assigned, and that the undersigned has (hove) had to convoy the entire interest hereif assigned, and that the undersigned has (hove) not executed, and will not execute, any assignment, sale, agreement or encumbrances in conflict herewith.

theoregined has (nave) not executed, and will not execute, any assignment, sale, suprement or encurporances in consider network.

The undersigned hereby does self, assign and transfer unto said Assignee(s) the full and exclusive authority for revoking/power of atterney(s) executed by the undersigned in connection with this application and for appointing a new power of atterney in place thereof. The undersigned hereby grant(s) the Assignee(s) and the appointed U.S. patent attorneys and agents 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 Office for recordation of this

document.

The undersigned hereby agree(s) that the above obligations shall apply to the undersigned both individually and collectively.

The undersigned hereby agree(s) that the above obligations shall apply to the undersigned both individually and collectively. The undersigned hereby agree(s) that this Assignment shall be construed in accordance with the law of the appropriate jurisdiction within the United States

IN WITNESS WHEREOF, executed by the undersigned on the date(s) following the undersigned name(s) and signature(s).

	ich Inventor, please Sign and Date beld (e) First Name, Last Name	(f) Signtature	(g) Date signed
(1)	Genadi VELEV	C. C	Moreh, Osle, Yest
(2)	Kilian WENIGER	KAn Wi	14anth, Davis, Mari
(3)	Jun HIRANO	and the same of th	Month, Date, April
(4)	Shinkichi IKEDA		Manth, Dais, Yes

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German Firm Name: Groocake: Kinkeldev Stockmair & Schwanhausser	German Firm Ref:	PA56988US-DK137903ver
US Firm Name: <u>DW</u>	US Firm Ref:	007725-10111
ASSIGN	VMENT	; ;
WHEREAS, the undersigned has (have) invented the invention entitled		•
Box 1		
Title of Invention:		
information exchange between gateways fo Management	R ROUTE OPTIMIZATION WIT	TH NETWORK-BASED MOBILITY
1. For use when signing Declaration prior to filing t	J.S. palent explication (sheck only a	vie haz belmul
(a)□ for which an application for U.S. patent has been executed		
(b) for which an application for U.S. patent has been executed of Occioration & Application in the State and action they check for and make no cause in the State If the	on the following date(s):	, or
(c) (C) for which an International Application has been filed as: (or the PCT-US national entry, check only (c) and more PCT application relation in the right	PCT Application No.	PCT/EP2009/001456 and,
2. For use when signing Declaration	n after filing U.S. patent application	
(d)□ for which an application for U.S. patent has been filed on:	Application Filing Date	August 27, 2070 and,

Application Social No.

WHEREAS, <u>Panasonic Corporation of 1006 Capa Kadoma, Kadoma, the Casta S71-8501, JAPAN</u>, he/their hoirs, successors, legat representatives and assigns (heroinefter designated as "Assignee(s)") layers desirrous of acquiring the entire right, title, and interest in and to said invention and to any Letters Patent(s) that may be granted therefor.

said invention and in and to any Letters Patent(s) that may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt and slufficiency of which are hereby acknowledged and intended to be legally bound hereby, the undersigned, by these presents, does self, assign and transfer unto said Assignee(s) the entire and exclusive right, title and interest in and to; (i) said invention in the United States of Amarica. Its territories, dependencies and possessions (hereinafter designated as the United States) and in all countries foreign to the United States; and (ii) this patent application and any and all related patent application(s) disclosing said invention, including provisionals, non-provisionals, conversions, divisions, confinuations, continuations, continuations, continuations, continuations of the United States of the United States are Related Applications, all renewals, extensions, reissues and reasonation under any irreaty relating therefor, and (iii) any and all telters Patent(s), including all renewals, extensions, reissues and reasonation cartificates which may be granted therefore, and all rights to sue for past and future intringement thereunder, in the United States and in all countries foreign to the United States for the full term or terms thereof.

The undersigned agree(s) to execute all papers necessary in connection with this application and and all Related Applications thereof, all papers and documents and perform any set which may be necessary in connection with claims or provisions of the International Convention

all papers and documents and perform any act which may be necessary in connection with claims or provisions of the international Convention all papers and occurrents and ponorm any act which may be necessary in connection with derivations of the international conversion for Protection of industrial Property or similar agreements, all papers necessary in connection with any interference which may be declared concerning this application or any and all Related Applications thereof and to cooperate with the Assignee(s) in every way possible in obtaining and producing evidence and procooding with such interference, and for any and all fitigations regarding, or for the purpose of proteoting the right, title and to said invention, this application and any and all Related Applications or Letters Patent(s) therefore, and to testify in any legal proceeding relating (horefo and in support thereof, for the banefit of Assignee(s), and also to execute separate assignments in connection with such applications as the Assignee(s) may deem necessary or expectent. with such applications as the Assignee(s) may deem necessary or expedient.

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

The undersigned if this Assignment had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Pistents, and officials of all foreign countries, whose duty is to issue patents, to issue any and all Letters Patent(s) resulting from said application or any and all Related Applications thereof to said Assignee(s) and hereby coverants that the undersigned has (have) full right to convey the entire interest horein assigned, and that the undersigned has (have) not exclusive, and will not execute, any assignment, saie, agreement or encumbrances in conflict herewith.

The undersigned hereby does sail, assign and transfer unto said Assignee(s) the full and exclusive authority for revoking, power of attorney(s) executed by the undersigned in connection with this application and for appointing a new power of attorney in place thereof.

The undersigned hereby grant(s) the Assignee(s) and the appointed U.S. patent oftomeys and agents 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 Office for recordation of this document.

document

The undersigned hereby agree(s) that the above obligations shall apply to the undersigned both individually and collectively.

The undersigned hereby agree(s) that this Assignment shall be construed in accordance with the law of the appropriate jurisdiction within

IN WITNESS WHEREOF, executed by the undersigned on the date(s) following the undersigned name(s) and signature(s).

	ach inventor, please Sign and Date below (e) First Name, Last Name		
	75) Tracinante, Fast Marie	(f) Signature	(g) Date signed
(1)	Genadi VELEV		Month, Date, Year
(2)	Kilian WENIGER		Manth, Diller, Year
(3)	Jun HIRANO	In Hizamo	Sep. 7. Juga
(4)	Shinkichi IKEDA		Month. Date, Year

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RECORDED: 09/27/2010

Panasonic Ref*: ___