

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4523100

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
THOMAS GAMER	09/27/2015
MATTHIAS ROTH	09/30/2015
MICHAEL BAHR	09/30/2015
CHRISTIAN SCHWINGENSCHLOGL	01/06/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UNIFY GMBH & CO. KG
<b>Street Address:</b>	MIES-VAN-DER-ROHE-STR. 6
<b>City:</b>	MUNCHEN
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	80807
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15660098
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(412)562-1041
<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>	
<b>Phone:</b>	412-392-2121
<b>Email:</b>	vicki.cremonese@bipc.com, deanna.durika@bipc.com
<b>Correspondent Name:</b>	RALPH G. FISCHER
<b>Address Line 1:</b>	301 GRANT STREET, 20TH FLOOR
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<b>Address Line 4:</b>	PITTSBURGH, PENNSYLVANIA 15219
<b>ATTORNEY DOCKET NUMBER:</b>	0075742-001018
<b>NAME OF SUBMITTER:</b>	RALPH G. FISCHER
<b>SIGNATURE:</b>	/Ralph G. Fischer/
<b>DATE SIGNED:</b>	07/27/2017
<b>Total Attachments: 8</b>	
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ASSIGNMENT

WHEREAS, we, Thomas Gamer, residing at Mozartstr. 1, 68723 Oftersheim, Germany; Matthias Roth, residing at Römerweg 11, 76456 Kuppenheim, Germany, Michael Bahr, residing at Mona-Lisa-Str. 4, 81827 München, Germany, and Christian Schwingenschlögl, residing at Kameterweg 7, 85640 Putzbrunn, Germany, respectively, have invented certain new and useful apparatus, methods, inventions, discoveries and/or improvements disclosed in a U.S. Patent Application Serial No. 14/858,018 entitled "METHODS AND DEVICES HAVING A KEY DISTRIBUTOR FUNCTION FOR IMPROVING THE SPEED AND QUALITY OF A HANDOVER " filed with the United States Patent and Trademark Office on September 18, 2015;

AND WHEREAS, Unify GmbH & Co. KG, having a place of business at Hofmannstr. 63, 81379 Munich, Germany (hereinafter the "Assignee") is desirous of acquiring the entire right, title and interest in and to said application and the apparatus, inventions, discoveries, and improvements therein disclosed;

NOW THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration paid to us by said Assignee, receipt whereof we hereby acknowledge, we do hereby assign, sell, transfer, and set over unto said Assignee the entire right, title, and interest in and to said application and the apparatus, inventions, discoveries and improvements therein disclosed for the United States of America and its territories and all foreign countries and any Letters Patent which may issue therefor in the United States and its territories and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, including the right to apply for Letters Patents in each foreign country and the United States of America and its territories, in its own name and to claim any and all priority rights under the International Convention, other conventions, treaties, or otherwise associated therewith for each country and the United States of America and its territories, said Assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this Assignment not been made.

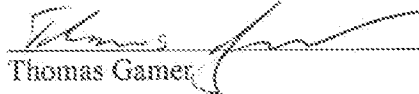
The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said application, apparatus, inventions, discoveries and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said apparatus, inventions, discoveries or improvements or any of them, and that we have the full right to make this Assignment.

And for said consideration, we agree jointly and individually that we will communicate to said Assignee or the representatives thereof any facts known to us respecting said apparatus, inventions, discoveries and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said Assignee or by counsel for said Assignee, to assist or enable said Assignee to obtain and enforce full benefits from the rights and interests herein assigned, and, in the event of any application or Letters Patent assigned herein becoming involved in Interference,

to cooperate to the best of the ability of the undersigned in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof. This Assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said Assignee.

And for said consideration, the undersigned hereby agrees to execute, at the request of said Assignee, all documents in connection with any application for foreign letters patent therefor.

Executed: 27.9.15

  
Thomas Gamer

Executed: \_\_\_\_\_

Matthias Roth

Executed: \_\_\_\_\_

Michael Bahr

Executed: \_\_\_\_\_

Christian Schwingenschlögl

**ASSIGNMENT**

WHEREAS, we, Thomas Gamer, residing at Mozartstr. 1, 68723 Oftersheim, Germany; Matthias Roth, residing at Römerweg 11, 76456 Kuppenheim, Germany, Michael Bahr, residing at Mona-Lisa-Str. 4, 81827 München, Germany, and Christian Schwingenschlögl, residing at Kameterweg 7, 85640 Putzbrunn, Germany, respectively, have invented certain new and useful apparatus, methods, inventions, discoveries and/or improvements disclosed in a U.S. Patent Application Serial No. 14/858,018 entitled " METHODS AND DEVICES HAVING A KEY DISTRIBUTOR FUNCTION FOR IMPROVING THE SPEED AND QUALITY OF A HANDOVER " filed with the United States Patent and Trademark Office on September 18, 2015;

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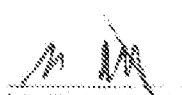
Assignee or by counsel for said Assignee, to assist or enable said Assignee to obtain and enforce full benefits from the rights and interests herein assigned, and, in the event of any application in Letters Patent assigned herein becoming involved in interference, to cooperate to the best of the ability of the undersigned in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof. This Assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said Assignee.

And for said consideration, the undersigned hereby agrees to execute, at the request of said Assignee, all documents in connection with any application for foreign letters patent therefor.

Executed: \_\_\_\_\_

Thomas Garner

Executed: 30.09.2015

  
Matthias Roth

Executed: \_\_\_\_\_

Michael Bahr

Executed: \_\_\_\_\_

Christian Schwingenschlögl

ASSIGNMENT

WHEREAS, we, Thomas Gamer, residing at Mozartstr. 1, 68723 Oftersheim, Germany; Matthias Roth, residing at Römerweg 11, 76456 Kuppenheim, Germany, Michael Bahr, residing at Mona-Lisa-Str. 4, 81827 München, Germany, and Christian Schwingenschlögl, residing at Kameterweg 7, 85640 Putzbrunn, Germany, respectively, have invented certain new and useful apparatus, methods, inventions, discoveries and/or improvements disclosed in a U.S. Patent Application Serial No. 14/858,018 entitled "METHODS AND DEVICES HAVING A KEY DISTRIBUTOR FUNCTION FOR IMPROVING THE SPEED AND QUALITY OF A HANDOVER" filed with the United States Patent and Trademark Office on September 18, 2015;

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Assignee or by counsel for said Assignee, to assist or enable said Assignee to obtain and enforce full benefits from the rights and interests herein assigned, and, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof. This Assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said Assignee.

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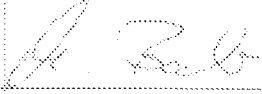
Executed: \_\_\_\_\_

Thomas Garner

Executed: \_\_\_\_\_

Matthias Roth

Executed: 209 15

  
Michael Bahr

Executed: \_\_\_\_\_

Christian Schwingenschlögl



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Unrestricted

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Executed: \_\_\_\_\_

\_\_\_\_\_  
Thomas Gamer

Executed: \_\_\_\_\_

\_\_\_\_\_  
Matthias Roth

Executed: \_\_\_\_\_

\_\_\_\_\_  
Michael Bahr

Executed: 06.01.2016

  
\_\_\_\_\_  
Christian Schwingenschlögl