501852756 03/14/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Markus Buck	06/29/2005
Tim Haulick	06/29/2005
Gerhard Uwe Schmidt	06/29/2005
Michael Tropp	06/29/2005

RECEIVING PARTY DATA

Name:	Harman Becker Automotive Systems GmbH
Street Address:	Becker Goring Strasse 16
City:	Karisbad
State/Country:	GERMANY
Postal Code:	76307

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13240424

CORRESPONDENCE DATA

Fax Number: (617)443-0004 Phone: 617-443-9292

Email: dderamo@sunsteinlaw.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Alexander J. Smolenski, Jr.

Address Line 1: 125 Summer Street

Address Line 2: Sunstein Kann Murphy & Timbers LLP
Address Line 4: Boston, MASSACHUSETTS 02110

ATTORNEY DOCKET NUMBER: 2639A/A46

NAME OF SUBMITTER: Alexander J. Smolenski, Jr.

PATENT

REEL: 027861 FRAME: 0979

Total Attachments: 12

source=DD2639AA46Assignment#page1.tif source=DD2639AA46Assignment#page2.tif source=DD2639AA46Assignment#page3.tif source=DD2639AA46Assignment#page4.tif source=DD2639AA46Assignment#page5.tif source=DD2639AA46Assignment#page6.tif source=DD2639AA46Assignment#page7.tif source=DD2639AA46Assignment#page8.tif source=DD2639AA46Assignment#page9.tif source=DD2639AA46Assignment#page10.tif source=DD2639AA46Assignment#page11.tif source=DD2639AA46Assignment#page11.tif

CLAIMING LETTER MEMORANDUM

Inventors: Markus Buck

Title: VEHICLE COMMUNICATION SYSTEM

Re: Patent Application Serial No.: 11/492,675 filed on July 25, 2006

To: Commissioner for Patents

P.O. Box 1450 Arlington, VA 22313-1450

Dear Sir:

HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH, a German Company, having a place of business at 76307 Karlsbad, Germany, in accordance with the provisions of § 6 of the German Act On Employee Inventions, has perfected an unlimited claim to the invention of Markus Buck, as described in U.S. Patent Application Serial No. 11/492,675 (hereafter, the "Invention"). The unlimited claim to the Invention was perfected by the attached written declaration that was sent to Markus Buck (hereafter, the "Inventor") on June 29, 2005.

Pursuant to German law, HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH has claimed without limitation the right, title, and interest in and to the Invention that was previously possessed by the Inventor. In addition, the unlimited claim to the Invention by HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH on June 29, 2005, claimed without limitation the right, title, and interest in and to the invention of the Inventor as is described in European Patent Application No. 05016443.3 from which the above-referenced patent application claims priority. Further, the unlimited claim to the Invention by HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH as of June 29, 2005, has claimed without limitation the right, title and interest in and to any and all counterpart foreign patent applications filed in the name of HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH that claim priority from the abovereferenced patent application and/or European Patent Application No. 05016443.3, and any and all letters patent or patents in the United States of America and all foreign countries which may be granted therefore and thereon, including the right to claim for any such application, all benefits and priority rights under any applicable convention. The unlimited claim in and to the Invention by HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH on June 29, 2005, also claimed without limitation the right, title and interest to any and all divisions and continuations of the above-referenced patent

> PATENT REEL: 018924 FRAME: 0287

Patent Application Serial No.: 11/492,675 filed on July 25, 2006

application, or said counterpart foreign patent applications, or reissues or extensions of said letters patent or patents, including the right to claim for any such application, all benefits and priority rights under any applicable convention.

Respectfully submitted,

Date: 02/22/2007

Attorney for Applicant

David P. Lindner - Reg. No. 53,222

Page 2

Customer No.: 00757

BRINKS HOFER GILSON & LIONE

P.O. Box 10395 Chicago, IL 60610 (312) 321-4200

2



HARMAN/BECKER AUTOMOTIVE SYSTEMS GMBH - BECKER-GÖRING-STRASSE 16 - 76307 KARLSBAD - GERMANY

HARMAN/BECKER Automotive Systems GmbH · P.O. Box 2260 · 76503 Karlebad

Dr. Tim Bast European IP Counsel

Firma

Harman Becker Automotive Systems GmbH z. Hd. Herrn Markus Buck
Soeflinger Strasse 100
DE 89077 Ulm

Fex +49 (0) 72 48-71-3445 Fex +49 (0) 72 48-71-3446 Email tbast@harman.com

the Zeichen

Unrestricted claim of an invention

Harman docket number: P05124

Compartments

Date of receipt: 06/29/2005

Unser Zeichen P05124

§§ 6, 7 Para. 1 German Act on Employee Inventions

Title: Method For Enhancing The Speech And

Communication Quality in Passenger

Datum 29 June 2005

Unbeschränkte Inanspruchnahme einer Erfindung §§ 6, 7 Abs. 1 Gesetz über Arbeitnehmererfindungen

Harman Aktenzeichen: P05124
Titel: Method For Enhancing The Speech And
Communication Quality in Passenger
Compartments

Eigangsdatum: 29.06.2005

Sehr geehrter Herr Buck,

Ihre oben genannte Diensterfindung wird hiermit durch Harman Becker Automotive Systems GmbH unbeschränkt in Anspruch genommen. Damit gehen alle Ihre Rechte an der Diensterfindung auf Harman Becker Automotive Systems GmbH über.

im Rahmen des Schutzrechtserteilungsverfahrens wird die Schutzfähigkeit der Erfindung geklärt. Über das Schutzrechtserteilungsverfahren und dessen Fortgang werden wir Sie auf dem Laufenden halten.

Auf die auch in Ihrem Interesse fortbestehende Geheimhaltungspflicht nach § 24 (2) Gesetz über Arbeitnehmererfindungen weisen wir vorsorglich nochmals hin.

Bitte bestätigen Sei uns den Eingang dieses Schreibens.

Dear Buck:

The above invention disclosure is hereby claimed unrestrictedly by Harman Becker Automotive Systems GmbH. Thus, all your rights, title, and interest in and to this invention are assigned to Harman Becker Automotive Systems GmbH.

The patentability of your invention will be determined during the grant proceedings before the respective patent office. We will keep you informed about the progress of the grant proceedings

By way of precaution, we would like to draw your attention to the secrecy obligation according to § 24 (2) German Act on Employee Inventions.

Please confirm the receipt of this letter.

Mit freundlichen Grüßen

Yours sincerely Harman/Becker Automotive Systems GmbH

Hugh

Empfang bestätigt:

Receipt confirmed

Datum/Date: 17.07.05

Erfinder/inventor

Miterfinder/co-inventors: Tim Haulick, Dr. Gerhard Uwe Schmidt, Michael Tropp

Executive Chairman: Dr. Erich Geiger · Geschäftsführung: Dr. Peter Geiselhart · Frank Meredith · William S. Palin Sitz der Gesellschaft: Karlsbad · Registergericht: Karlsruhe HRB 1395 E

A Company of Harman International

PATENT

REEL: 018924 FRAME: 0289

RECORDED: 02/22/2007

CLAIMING LETTER MEMORANDUM

Inventor: Tim Haulick

Title: VEHICLE COMMUNICATION SYSTEM

Re: Patent Application Serial No.: 11/492,675 filed on July 25, 2006

To: Commissioner for Patents

P.O. Box 1450

Arlington, VA 22313-1450

Dear Sir:

HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH, a German Company, having a place of business at 76307 Karlsbad, Germany, in accordance with the provisions of § 6 of the German Act On Employee Inventions, has perfected an unlimited claim to the invention of Tim Haulick, as described in U.S. Patent Application Serial No. 11/492,675 (hereafter, the "Invention"). The unlimited claim to the Invention was perfected by the attached written declaration that was sent to **Tim Haulick** (hereafter, the "Inventor") on **June 29, 2005**.

Pursuant to German law, HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH has claimed without limitation the right, title, and interest in and to the Invention that was previously possessed by the Inventor. In addition, the unlimited claim to the Invention by HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH on June 29, 2005, claimed without limitation the right, title, and interest in and to the invention of the Inventor as is described in European Patent Application No. 05016443.3 from which the above-referenced patent application claims priority. Further, the unlimited claim to the Invention by HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH as of June 29, 2005, has claimed without limitation the right, title and interest in and to any and all counterpart foreign patent applications filed in the name of HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH that claim priority from the abovereferenced patent application and/or European Patent Application No. 05016443.3, and any and all letters patent or patents in the United States of America and all foreign countries which may be granted therefore and thereon, including the right to claim for any such application, all benefits and priority rights under any applicable convention. The unlimited claim in and to the Invention by HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH on June 29, 2005, also claimed without limitation the right, title and interest to any and all divisions and continuations of the above-referenced patent

> PATENT REEL: 018924 FRAME: 0291

Page 2

Patent Application Serial No.: 11/492,675 filed on July 25, 2006

application, or said counterpart foreign patent applications, or reissues or extensions of said letters patent or patents, including the right to claim for any such application, all benefits and priority rights under any applicable convention.

Respectfully submitted,

Date: 02/2

Attorney for Applicant

David P. Lindner - Reg. No. 53,222

Customer No.: 00757

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P.O. Box 10395 Chicago, IL 60610 (312) 321-4200

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HARMAN/BECKER AUTOMOTIVE SYSTEMS GMBH - BECKER-GÖRING-STRASSE 16 - 76307 KARLSBAD - GERMANY

HARMAN/BECKER Automotive Systems GmbH - P.O. Box 2260 - 78303 Karlsbed

Dr. Tim Bast European IP Counsel

Firma

Harman Becker Automotive Systems GmbH z. Hd. Herrn Tim Haulick Soeflinger Strasse 100 **DE 89077 Ulm**

Tel. +49 (0) 72 48-71-3445 Fex +49 (0) 72 48-71-3446 Email thast@harman.com

thr Zeichen

Unser Zeichen P05124

29 June 2005

Unbeschränkte Inanspruchnahme einer Erfindung §§ 6, 7 Abs. 1 Gesetz über Arbeitnehmererfindungen

Harman Aktenzeichen: P05124 Titel: Method For Enhancing The Speech And Communication Quality in Passenger

Compartments Eigangsdatum: 29.06.2005

Sehr geehrter Herr Haulick,

Ihre oben genannte Diensterfindung wird hiermit durch Harman Becker Automotive Systems GmbH unbeschränkt in Anspruch genommen. Damit gehen alle Ihre Rechte an der Diensterfindung auf Harman Becker Automotive Systems GmbH über.

Im Rahmen des Schutzrechtserteilungsverfahrens wird die Schutzfähigkeit der Erfindung geklärt. Über das Schutzrechtserteilungsverfahren und dessen Fortgang werden wir Sie auf dem Laufenden halten.

Auf die auch in Ihrem Interesse fortbestehende Geheimhaltungspflicht nach § 24 (2) Gesetz über Arbeitnehmererfindungen weisen wir vorsorglich nochmals hin.

Bitte bestätigen Sei uns den Eingang dieses Schreibens.

Unrestricted claim of an invention §§ 6, 7 Para. 1 German Act on Employee Inventions

Harman docket number: P05124 Title: Method For Enhancing The Speech And Communication Quality in Passenger Compartments Date of receipt: 06/29/2005

Dear Haulick:

The above invention disclosure is hereby claimed unrestrictedly by Harman Becker Automotive Systems GmbH. Thus, all your rights, title, and interest in and to this invention are assigned to Harman Becker Automotive Systems GmbH.

The patentability of your invention will be determined during the grant proceedings before the respective patent office. We will keep you informed about the progress of the grant

By way of precaution, we would like to draw your attention to the secrecy obligation according to § 24 (2) German Act on Employee Inventions.

Please confirm the receipt of this letter.

Mit freundlichen Grüßen

Yours sincerely Harman/Becker Automotive Systems GmbH

i. V. Dr. Tim Bast

Empfang bestätigt:

European IP Counsel Receipt confirmed

Miterfinder/co-inventors: Markus Buck, Dr. Gerhard Uwe Schmidt, Michael Tropp

Executive Chairman; Dr. Erich Geiger • Geschäftsführung: Dr. Peter Geiselhart • Frank Meredith • William S. Palin Sitz der Gesellschaft: Karlsbad • Registergericht: Karlsruhe HRB 1395 E

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PATENT

REEL: 018924 FRAME: 0293

CLAIMING LETTER MEMORANDUM

Inventor:

Gerhard Uwe Schmidt

Title: VEHICLE COMMUNICATION SYSTEM

Re: Patent Application Serial No.: 11/492,675 filed on July 25, 2006

To: Commissioner for Patents

P.O. Box 1450

Arlington, VA 22313-1450

Dear Sir:

HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH, a German Company, having a place of business at 76307 Karlsbad, Germany, in accordance with the provisions of § 6 of the German Act On Employee Inventions, has perfected an unlimited claim to the invention of Gerhard Uwe Schmidt, as described in U.S. Patent Application Serial No. 11/492,675 (hereafter, the "Invention"). The unlimited claim to the Invention was perfected by the attached written declaration that was sent to **Gerhard Uwe Schmidt** (hereafter, the "Inventor") on **June 29, 2005**.

Pursuant to German law, HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH has claimed without limitation the right, title, and interest in and to the Invention that was previously possessed by the Inventor. In addition, the unlimited claim to the Invention by HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH on June 29, 2005, claimed without limitation the right, title, and interest in and to the invention of the Inventor as is described in European Patent Application No. 05016443.3 from which the above-referenced patent application claims priority. Further, the unlimited claim to the Invention by HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH as of June 29, 2005, has claimed without limitation the right, title and interest in and to any and all counterpart foreign patent applications filed in the name of HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH that claim priority from the abovereferenced patent application and/or European Patent Application No. 05016443.3, and any and all letters patent or patents in the United States of America and all foreign countries which may be granted therefore and thereon, including the right to claim for any such application, all benefits and priority rights under any applicable convention. The unlimited claim in and to the Invention by HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH on June 29, 2005, also claimed without limitation the right, title and interest to any and all divisions and continuations of the above-referenced patent

> PATENT REEL: 018924 FRAME: 0299

Page 2

Patent Application Serial No.: 11/492,675 filed on July 25, 2006

application, or said counterpart foreign patent applications, or reissues or extensions of said letters patent or patents, including the right to claim for any such application, all benefits and priority rights under any applicable convention.

Respectfully submitted,

Date: 02/22/2007

Attorney for Applicant

David P. Lindner - Reg. No. 53,222

Customer No.: 00757

BRINKS HOFER GILSON & LIONE

P.O. Box 10395 Chicago, IL 60610 (312) 321-4200

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HARMAN/BECKER AUTOMOTIVE SYSTEMS GMBH · BECKER-GÖRING-STRASSE 16 · 76307 KARLSBAD · GERMANY

HARMAN/BECKER Automotive Systems GmbH • P.O. Box 2290 • 78303 Karlsbad

Dr. Tim Bast European IP Counsel

Firma

Harman Becker Automotive Systems GmbH z. Hd. Herrn Dr. Gerhard Uwe Schmidt Soeflinger Strasse 100 DE 89077 Ulm

Tel. +49 (0) 72 48-71-3445 Fax +49 (0) 72 48-71-3446 Email tbast@harman.com

the Zeichen

Unser Zeichen p05124

Datum 29 June 2005

Unbeschränkte inanspruchnahme einer Erfindung §§ 6, 7 Abs. 1 Gesetz über Arbeitnehmererfindungen

Harman Aktenzeichen: P05124 Titel: Method For Enhancing The Speech And Communication Quality In Passenger Compartments

Eigangsdatum: 29.06.2005

Sehr geehrter Herr Dr. Schmidt,

Ihre oben genannte Diensterfindung wird hiermit durch Harman Becker Automotive Systems GmbH unbeschränkt in Anspruch genommen. Damit gehen alle Ihre Rechte an der Diensterfindung auf Harman Becker Automotive Systems GmbH über.

Im Rahmen des Schutzrechtserteilungsverfahrens wird die Schutzfähigkeit der Erfindung geklärt. Über das Schutzrechtserteilungsverfahren und dessen Fortgang werden wir Sie auf dem Laufenden halten.

Auf die auch in Ihrem Interesse fortbestehende Geheimhaltungspflicht nach § 24 (2) Gesetz über Arbeitnehmererfindungen weisen wir vorsorglich nochmals hin.

Bitte bestätigen Sei uns den Eingang dieses Schreibens.

Unrestricted claim of an invention §§ 6, 7 Para. 1 German Act on Employee Inventions

Harman docket number: P05124 Title: Method For Enhancing The Speech And Communication Quality In Passenger Compartments Date of receipt: 06/29/2005

Dear Dr. Schmidt:

The above invention disclosure is hereby claimed unrestrictedly by Harman Becker Automotive Systems GmbH. Thus, all your rights, title, and interest in and to this invention are assigned to Harman Becker Automotive Systems GmbH.

The patentability of your invention will be determined during the grant proceedings before the respective patent office. We will keep you informed about the progress of the grant proceedings

By way of precaution, we would like to draw your attention to the secrecy obligation according to § 24 (2) German Act on Employee Inventions.

Please confirm the receipt of this letter.

Mit freundlichen Grüßen

Yours sincerely Harman/Becker Automotive Systems GmbH

V. Dr. Tim Bast

Empfang bestätigt:

Receipt confirmed

04.07.2005

Miterfinder/co-inventors: Markus Buck, Michael Tropp, Tim Haulick

Executive Chairman: Dr. Erich Gelger • Geschäftsführung: Dr. Peter Geiselhart • Frank Meredith • William S. Palin Sitz der Gesellschaft: Karlsbäd • Registergericht: Karlsnuhe HRB 1395 E

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PATENT

REEL: 018924 FRAME: 0301

RECORDED: 02/22/2007

CLAIMING LETTER MEMORANDUM

Inventor: Michael Tropp

Title: VEHICLE COMMUNICATION SYSTEM

Re: Patent Application Serial No.: 11/492,675 filed on July 25, 2006

To: Commissioner for Patents

P.O. Box 1450

Arlington, VA 22313-1450

Dear Sir:

HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH, a German Company, having a place of business at 76307 Karlsbad, Germany, in accordance with the provisions of § 6 of the German Act On Employee Inventions, has perfected an unlimited claim to the invention of Michael Tropp, as described in U.S. Patent Application Serial No. 11/492,675 (hereafter, the "Invention"). The unlimited claim to the Invention was perfected by the attached written declaration that was sent to **Michael Tropp** (hereafter, the "Inventor") on **June 29, 2005**.

Pursuant to German law, HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH has claimed without limitation the right, title, and interest in and to the Invention that was previously possessed by the Inventor. In addition, the unlimited claim to the Invention by HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH on June 29, 2005, claimed without limitation the right, title, and interest in and to the invention of the Inventor as is described in European Patent Application No. 05016443.3 from which the above-referenced patent application claims priority. Further, the unlimited claim to the Invention by HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH as of June 29, 2005, has claimed without limitation the right, title and interest in and to any and all counterpart foreign patent applications filed in the name of HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH that claim priority from the abovereferenced patent application and/or European Patent Application No. 05016443.3, and any and all letters patent or patents in the United States of America and all foreign countries which may be granted therefore and thereon, including the right to claim for any such application, all benefits and priority rights under any applicable convention. The unlimited claim in and to the Invention by HARMAN BECKER AUTOMOTIVE SYSTEMS GmbH on June 29, 2005, also claimed without limitation the right, title and interest to any and all divisions and continuations of the above-referenced patent

> PATENT REEL: 018924 FRAME: 0303

Page 2

Patent Application Serial No.: 11/492,675 filed on July 25, 2006

application, or said counterpart foreign patent applications, or reissues or extensions of said letters patent or patents, including the right to claim for any such application, all benefits and priority rights under any applicable convention.

Respectfully submitted,

Date: 02/22/200

Attorney for Applicant

David P. Lindner - Reg. No. 53,222

Customer No.: 00757

BRINKS HOFER GILSON & LIONE

P.O. Box 10395 Chicago, IL 60610 (312) 321-4200

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Dr. Tim Bast European IP Counsel

Firma

Harman Becker Automotive Systems GmbH z. Hd. Herrn Michael Tropp

Soeflinger Strasse 100 DE 89077 Ulm Tel. +49 (0) 72 48-71-3445 Fax +49 (0) 72 48-71-3446

Email tbast@harman.com

Ihr Zeichen

Unser Zeichen P05124

29 June 2005

Unbeschränkte Inanspruchnahme einer Erfindung §§ 6, 7 Abs. 1 Gesetz über Arbeitnehmererfindungen

Harman Aktenzeichen: P05124

Titel: Method For Enhancing The Speech And Communication Quality in Passenger

Compartments
Eigangsdatum: 29.06.2005

Sehr geehrter Herr Tropp,

Ihre oben genannte Diensterfindung wird hiermit durch Harman Becker Automotive Systems GmbH unbeschränkt in Anspruch genommen. Damit gehen alle Ihre Rechte an der Diensterfindung auf Harman Becker Automotive Systems GmbH über.

Im Rahmen des Schutzrechtserteilungsverfahrens wird die Schutzfähigkeit der Erfindung geklärt. Über das Schutzrechtserteilungsverfahren und dessen Fortgang werden wir Sie auf dem Laufenden halten.

Auf die auch in Ihrem Interesse fortbestehende Geheimhaltungspflicht nach § 24 (2) Gesetz über Arbeitnehmererfindungen weisen wir vorsorglich nochmals hin.

Bitte bestätigen Sei uns den Eingang dieses Schreibens.

Unrestricted claim of an invention §§ 6, 7 Para. 1 German Act on Employee Inventions

Harman docket number: P05124
Title: Method For Enhancing The Speech And
Communication Quality in Passenger
Compartments
Date of receipt: 06/29/2005

Dear Tropp:

The above invention disclosure is hereby claimed unrestrictedly by Harman Becker Automotive Systems GmbH. Thus, all your rights, title, and interest in and to this invention are assigned to Harman Becker Automotive Systems GmbH.

The patentability of your invention will be determined during the grant proceedings before the respective patent office. We will keep you informed about the progress of the grant proceedings

By way of precaution, we would like to draw your attention to the secrecy obligation according to § 24 (2) German Act on Employee Inventions.

Please confirm the receipt of this letter.

Mit freundlichen Grüßen

Yours sincerely Harman/Becker Automotive Systems GmbH

V. Dr. Tim Bast

Emplang bestätigt:

Receipt confirmed

Datum/Date: 04.07.05

Erfinder/Inventor

Miterfinder/co-inventors: Markus Buck, Dr. Gerhard Uwe Schmidt, Tim Haulick

Executive Chairman: Dr. Erich Gelger • Geschäftsführung: Dr. Peter Geiselhart • Frank Meredith • William S. Palin Sitz der Gesellschaft: Karlsbad • Registergericht: Karlsruhe HRB 1395 E

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PATENT

REEL: 018924 FRAME: 0305

PATENT REEL: 027861 FRAME: 0992

RECORDED: 03/14/2012

RECORDED: 02/22/2007