504348860 05/03/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4395548

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
	Corrective Assignment to correct the SECOND ASSIGNEE'S ZIP CODE previously recorded on Reel 042159 Frame 0290. Assignor(s) hereby confirms the SECOND ASSIGNEE'S ZIP CODE IS D-80809.

### **CONVEYING PARTY DATA**

Name	Execution Date
STEFAN RIEDERER	03/27/2016
LEONHARD HOERTH	02/28/2016
HEINRICH BIRNDORFER	10/26/2016
MARCO RANALLI	07/07/2016
MARTIN ADLDINGER	07/07/2016
MANUEL LORENZ	08/08/2016

### **RECEIVING PARTY DATA**

Name:	GENTHERM GMBH
Street Address:	RUDOLF-DIESEL-STRASSE 12
City:	ODELZHAUSEN
State/Country:	GERMANY
Postal Code:	D-85235
Name:	BAYERISCHE MOTOREN WERKE AG
Street Address:	PETUELRING 130
City:	MUENCHEN
State/Country:	GERMANY
Postal Code:	D-80809
Name:	TECHNISCHE UNIVERITAET MUENCHEN
Street Address:	ARCISSTR. 21
City:	MUENCHEN
State/Country:	GERMANY
Postal Code:	D-80333

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15187220

### **CORRESPONDENCE DATA**

**Fax Number:** (703)621-7155

PATENT 42390 FRAME: 0763

504348860 REEL: 042390 FRAME: 0763

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.

**Phone:** 7036217140

**Email:** mailroom@mg-ip.com

Correspondent Name: MUNCY, GEISSLER, OLDS & LOWE, P.C.

Address Line 1: 4000 LEGATO ROAD

Address Line 2: SUITE 310

Address Line 4: FAIRFAX, VIRGINIA 22033

ATTORNEY DOCKET NUMBER:	1004/0200PUS1
NAME OF SUBMITTER:	MARTIN R. GEISSLER
SIGNATURE:	/Martin R. Geissler/
DATE SIGNED:	05/03/2017

### **Total Attachments: 18**

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> PATENT REEL: 042390 FRAME: 0764



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### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
STEFAN RIEDERER	03/27/2016
LEONHARD HOERTH	02/28/2016
HEINRICH BIRNDORFER	10/26/2016
MARCO RANALLI	07/07/2016
MARTIN ADLDINGER	07/07/2016
MANUEL LORENZ	08/08/2016

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Name:	GENTHERM GMBH
Street Address:	RUDOLF-DIESEL-STRASSE 12
City:	ODELZHAUSEN
State/Country:	GERMANY
Postal Code:	D-85235

Name:	BAYERISCHE MOTOREN WERKE AG
Street Address:	PETUELRING 130
City:	MUENCHEN
State/Country:	GERMANY
Postal Code:	D-80869

11919 **PATENT** 4/27/2017 **REEL: 042390 FRAME: 0765** 

Name:	TECHNISCHE UNIVERSITAET MUENCHEN	
Street Address:	ARCISSTR. 21	
City:	MUENCHEN	
State/Country:	GERMANY	
Postal Code:	D-80333	

### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15187220

#### CORRESPONDENCE DATA

Fax Number: (703)621-7155 Phone: 703-621-7140

Email: MAILROOM@MG-IP.COM

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provided; if that is unsuccessful, it will be sent via US Mail.

MUNCY, GEISSLER, OLDS & LOWE, P.C. Correspondent Name:

Address Line 1: 4000 LEGATO ROAD

Address Line 2: SUITE 310

FAIRFAX, VIRGINIA 22033 Address Line 4:

ATTORNEY DOCKET NUMBER:	1004/0200PUS1
NAME OF SUBMITTER:	MARTIN R. GEISSLER
Signature:	/Martin R. Geissler/
Date:	04/27/2017
Total Attachments: 15 source=EXECUTED_ASSIGNMENT_1004_0200PUS1#page1.tif source=EXECUTED_ASSIGNMENT_1004_0200PUS1#page2.tif source=EXECUTED_ASSIGNMENT_1004_0200PUS1#page3.tif source=EXECUTED_ASSIGNMENT_1004_0200PUS1#page4.tif	

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**PATENT** 

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**PATENT** 

4/27/2017

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

### ASSIGNMENT

	Application No. 15/187,220 Filed June 27, 2016
insert Name(s) of Inventor(s)	
	WHEREAS, Stefan RIEDERER, Leonhard HOERTH, Heinrich BIRNDORFER, Marco
	RANALLI, Martin ADLDINGER and Manuel LORENZ
	(hereinafter designated as the undersigned have invented certain new and useful improvements in
Insert Title	
of Invention	THERMAL MANAGEMENT FOR AN ELECTRIC OR HYBRID VEHICLE AND A METHOD FOR AIR-CONDITIONING THE INTERIOR OF SUCH A MOTOR VEHICLE
	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 Si Application	gning of on; and
Insert Name of Assignee	WHEREAS, Gentherm GmbH with the address of Rudolf-Diesel-Strasse 12, D-85235 Odelzhausen, GERMANY; Bayerische Motoren Werke AG with the address of Petuelring 130, D-80809 Muenchen, GERMANY; and Technische Universitaet Muenchen with the address of Arcisstr. 21, D-80333 Muenchen, GERMANY
26	their heirs, successors, legal representatives and assign (hereinafter designated as the Assignees) are desirous of becoming joint owners and of acquiring each one-third of the entire right, title and interest each for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof.
IF APPROPRIATE	CHECK BOX ☐ in any foreign countries.
	NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) 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;

Page 1 of 2

terms for which the same may be granted.

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or

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 Geissler, Olds & Lowe PLLC 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 27. 7. 2016	Name of Inventor Stefan RIEDERER Stefan RIEDERER
Date	Name of Inventor (signature) Leonhard HOERTH
Date,	Name of Inventor (signature) Heinrich BIRNDORFER
Date	Name of Inventor (signature) Marco RANALLI
Date	Name of Inventor (signature) Martin ADLDINGER
Date	Name of Inventor (signature) Manuel LORENZ

Page 2 of 2

Date	Name of Inventor	
	(signature) Martin ADLDINGER	
Date,	Name of Inventor	
	(signature) Manuel LORENZ	-

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

## **ASSIGNMENT**

	Application No.	Fi	led
Insert Name(s) of Inventor(s)			
	WHEREAS, Stefan RIEDERER,	Leonhard HOERTH, Henrich	BIRNDORFER, Marco
	RANALLI, Martin ADLDINGER	and Manuel LORENZ	
	(hereinafter designated as the unc	dersigned have invented certain new and u	seful improvements in
Insert Title			
of Invention	THERMAL MANAGEMENT FOR A FOR AIR-CONDITIONING THE IN		
	for which an application for Letters P undersigned (except in the case of a prov		a has been executed by the
Insert Date of Si Application	gning of on		; and
Insert Name of Assignee	WHEREAS, Gentherm Gmb Odelzhausen, GERMANY; Bayeris D-80809 Muenchen, GERMANY; a Arcisstr. 21, D-80333 Muenchen, GE	and Technische Universitaet Mue	address of Petuelring 130,
	their heirs, successors, legal representa desirous of becoming joint owners ar interest each for the United States in divisions and continuations thereof, ar including any and all renewals, reissue	nd of acquiring each one-third of the and to said invention and application ad any and all Letters Patent which n	e entire right, title and i, including any and all iay be granted thereon,
IF APPROPRIATE	CHECK BOX in any foreign countries	s.	
	NOW, THEREFORE, in consideration of receipt of which is hereby acknowledged (have) sold, assigned and transferred, and the full and exclusive right to the said invand possessions and the entire right, title granted therefor in the United States of A above is designated, in any and all foreign	, and other good and valuable considera by these presents does sell, assign and trention in the United States of America, it and interest in and to any and all Letter merica, its territories, dependencies and p	tion, the undersigned has ansfer unto said Assignee s territories, dependencies s Patent(s) which may be
	and to any and all divisions, reissues, cor terms for which the same may be granted.	ntinuations, conversions and extensions the	nereof for the full term or

Page 1 of 3

PATENT

REEL: 042390 FRAME: 0771

#### ATTORNEY DOCKET NO. 1000/0322PUS2

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 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 Geissler, Olds & Lowe PLLC 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,	Name of Inventor	
Date 28.07.2016		(signature) Stefan RIEDERER
Date	Name of Inventor	(signature) Leonhard HOERTH
Date	Name of Inventor	(signature) Henrich BIRNDORFER
Dute,	Name of Inventor	(signature) Marco RANALLI

Page 2 of 3

Date,	Name of Inventor	
	(signature) Martin ADLDINGER	
Date	Name of Inventor	
	(signature) Manuel LORENZ	

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

## **ASSIGNMENT**

	Application No. <u>15/187,220</u>	Filed	June 27, 2016
nsert Name(s) of Inventor(s)			
	WHEREAS, Stefan RIEDERER, Leonhard HOERT	H. Heinrich BII	RNDORFER, Marco
	RANALLI, Martin ADLDINGER and Manuel LOREN		
	(hereinafter designated as the undersigned have invented or	ertain new and useful	improvements in
nsert Title			
f Invention	THERMAL MANAGEMENT FOR AN ELECTRIC OR HY FOR AIR-CONDITIONING THE INTERIOR OF SUCH A	BRID VEHICLE A	AND A METHOD E
	for which an application for Letters Patent of the United Standersigned (except in the case of a provisional application).	ates of America has	s been executed by the
nsert Date of Si Application	gning of on		; and
nsert Name of Assignee	WHEREAS, Gentherm GmbH with the address Odelzhausen, GERMANY; Bayerische Motoren Werke	of Rudolf-Diesel-	Strasse 12, D-85235
	D-80809 Muenchen, GERMANY; and Technische Univ. Arcisstr. 21, D-80333 Muenchen, GERMANY	ersitaet Muenche	n with the address of
	their heirs, successors, legal representatives and assign (herein desirous of becoming joint owners and of acquiring each o interest each for the United States in and to said invention a divisions and continuations thereof, and any and all Letters I including any and all renewals, reissues, reexaminations, and	ne-third of the ent and application, inc atent which may b	ire right, title and luding any and all e granted thereon.
F APPROPRIATE	CHECK BOX ☐ in any foreign countries.		
	NOW, THEREFORE, in consideration of the sum of One Dollar (\$ receipt of which is hereby acknowledged, and other good and val (have) sold, assigned and transferred, and by these presents does so the full and exclusive right to the said invention in the United State and possessions and the entire right, title and interest in and to an granted therefor in the United States of America, its territories, depabove is designated, in any and all foreign countries;	luable consideration, ell, assign and transfe is of America, its terri y and all Letters Pate	the undersigned has r unto said Assignee itories, dependencies ent(s) which may be
	and to any and all divisions, reissues, continuations, conversions a	ind extensions thereo	f for the full term or

Page 1 of 2

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

Date	, Name of Inventor	***************************************
Date	Name of Inventor	
Date 26 Oktober 2016	(signature) Leonhard HOERTH	
Date	Name of Inventor (signature) Marco RANALLI	11704-300 <b>4</b>
Date	, Name of Inventor	
Date	, Name of Inventor	•

Page 2 of 2.

Date,	Name of Inventor
	(signature) Martin ADLDINGER
Date,	Name of Inventor
	(signature) Manuel LORENZ

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

## **ASSIGNMENT**

	Application No.			Fi	led	**************************************
Insert Name(s) of Inventor(s)						
	WHEREAS, Stefan RIEDERER,	Leonhard	HOERTH.	Henrich	BIRNDORFER	, Marco
	RANALLI, Martin ADLDINGER	and Manuel	LORENZ	actions to		
	(hereinafter designated as the und	ersigned have	invented certain	n new and u	seful improvements	in
Insert Title						
of Invention	THERMAL MANAGEMENT FOR A FOR AIR-CONDITIONING THE INT	NELECTR ERIOR OF	IC OR HYBR SUCH A MO	ID VEHIC FOR VEE	CLE AND A METI ICLE	<u>IOD</u>
	for which an application for Letters Pa undersigned (except in the case of a provi	atent of the	United States ation).	of Americ	a has been execute	ed by the
insert Date of Si Application	gning of on		Millian or and the second of t	(179 (174 · · · · · · · · · · · · · · · · · · ·		; and
Insert Name of Assignee	WHEREAS, Gentherm Gmbl Odelzhausen, GERMANY; Bayerisc D-80809 Muenchen, GERMANY; a Arcisstr. 21, D-80333 Muenchen, GE	he Motore: nd Technis	n Werke AG	with the	address of Petuel	ring 130,
	their heirs, successors, legal representate desirous of becoming joint owners an interest each for the United States in a divisions and continuations thereof, an including any and all renewals, reissued	d of acquiri nd to said is d any and al	ng each one-t ivention and a I Letters Pate	hird of the opplication ot which o	e entire right, title i, including any an isy be granted thei	and d all
F APPROPRIATE	CHECK BOX in any foreign countries.					
	NOW, THEREFORE, in consideration of the receipt of which is hereby acknowledged, (have) sold, assigned and transferred, and if the full and exclusive right to the said investant possessions and the entire right, title a granted therefor in the United States of Amabove is designated, in any and all foreign of	and other go by these presention in the U and interest in terica, its term	od and valuablents does sell, as inited States of and to any and	e considera ssign and tr America, its d all Letters	tion, the undersigned ansfer unto said Ass s territories, depende s Patent(s) which ma	d has ignee ncies av be

terms for which the same may be granted.

Page 1 of 3

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or

PATENT REEL: 042390 FRAME: 0777 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.

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

Date	Name of Inventor	(signature) S	itefan RIEDERER
Date	Name of Inventor	(signature) L	eonhard HOERTH
Date	Name of Inventor	(signature) F	Henrich BIRNDORFER
Date_67/09/16	Name of Inventor		Q // ,

Page 2 of 3

Date 07/07/16	Name of Inventor	
. ,		(signature) Martin ADLDINGER
		and Shared States.
Date	Name of Inventor	T
		(signature) Manuel LORENZ

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

## ASSIGNMENT

	Application No.		Filed		
Insert Name(s) of Inventor(s)					
	WHEREAS, Stefan RIEDERER, Leo	nhard <b>HOERTH</b> , Hen	rich BIRNDORFER, Marc		
	RANALLI, Martin ADLDINGER and N	danuei LORENZ			
	thereinufter designated as the undersign	ed have invented certain new	and useful insprovements in		
Insert Title					
of Invention	THERMAL MANAGEMENT FOR AN ELEGOR AIR-CONDITIONING THE INTERIC	ECTRIC OR HYBRID VI OR OF SUCH A MOTOR	CHICLE AND A METHOD VEHICLE		
	for which an application for Letters Patent a undersigned (except in the case of a provisional	of the United States of Ae Lapplication).	nerica has been executed by the		
Insert Date of S Application	igning of		and		
Insert Name of Assignee	Odelzhausen, GERMANY; Bayerische M	WHEREAS, Gentherm GmbH with the address of Rudolf-Diesel-Strasse 12, D-85235 tzhausen, GERMANY; Bayerische Motoren Werke AG with the address of Petuelring 130 0809 Muenchen, GERMANY; and Technische Universitaet Muenchen with the address of estr. 21, D-80333 Muenchen, GERMANY			
	their heirs, successors, legal representatives a desirous of becoming joint owners and of a interest each for the United States in and to divisions and continuations thereof, and any including any and all renewals, reissues, rees	equiring each one-third o said invention and applica and all Letters Patent whi	f the entire right, title and ation, including any and all th may be granted thereon.		
IF APPROPRIATE	CHECK BOX [] in any foreign countries				
	NOW. THERLIDRE, in consideration of the sum of One Dollar (\$1.00) 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, reisones, continuations for which the same may be granted	us, conversions and extension	ns thereof for the full term or		

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#### ATTORNEY DOCKET NO. 1000/0622PLS2

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and abo 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 thereof 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 field by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorizets) 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 taidersigned hereby grant(s) the law firm of Geissler. Olds & Lowe PLLC 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 I rudemark Office for recordation of this document

The undersigned hereby covenantis) 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).

Lights	Name of Inventor	(signature)	Stefan RIEDERER
1)43¢	Name of Inventor	(signature)	Leonhard (R.)E.R.[1]
Date	Name of Inventor	(signature)	Henrich BIRNDORFER
Dute	Name of Inventor	- Esignalture i	Marco RANALLI

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Date <sub>.</sub>	/	Name of inventor	(Signature) Martin Abil DFSGER
Parc	<u> </u>	Name of Insentor	(Signature) Manuel LORENZ

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