Form PTO-1595 (Rev. 03-11) OMB No. 0651-0027 (exp. 03/31/2015)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office
RECORDATION FOR	RM COVER SHEET
PATENTS	SONLY
To the Director of the U.S. Patent and Trademark Office: Please	record the attached documents or the new address(es) below.
Name of conveying party(ies):	2. Name and address of receiving party(ies)
Georg Lonsdorfer (11/08/2012), Remo Hinz	
(10/29/2012), Adrian Wachendorf (11/01/2012), Niels Deschauer (11/05/2012), and	
Additional name(s) of conveying party(ics) attached? X Yes No	Internal Address:
3. Nature of conveyance/Execution Date(s):	Street Address:
1	Vrooteley 40
Execution Date(s): in parentheses after inventor name x Assignment Merger Change of Name	Kreetslag 10
Security Agreement Joint Research Agreement	City: Hamburg
Government Interest Assignment	State:
Executive Order 9424, Confirmatory License	Country: Germany Zip: 21129
Other	Additional name(s) & address(es)
	attached?
4. Application or patent number(s):	This document is being filed together with a new application.
A. Patent Application No.(s)	B. Patent No.(s)
13/638,141	
Additional numbers attached?	Yes X No
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents Involved:
Name: Michael H. Teschner	
LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	
	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address: Atty. Dkt.: AIRBUS 3,3-499 Street Address: 600 South Avenue West	
200 OAMILYACUME AAGSE	X Authorized to be charged to deposit account
	Enclosed
	None required (government interest not affecting title)
City Manual	
City: Westfield State: NJ Zip: 07090	8. Payment Information
State: NJ Zip: 07090 Phone Number: 908-654-5000	
Fax Number: 908-654-7866	Deposit Account Number 12-1095
Email Address: ataylor@ldlkm.com	Deposit Account Number 12-1095 Authorized User Name Michael H. Teschner
. Signature:	
	,
Signature	
Michael H. Teschner - 32,862	Total number of pages including cover
Name of Person Signing	sheet, attachments, and documents:

2970159

700496974

PATENT REEL: 029416 FRAME: 0443

		FORM COVER SHEET (PTO-1595) supplemental sheet)	***************************************
Additional Convey	ying Party(ies)/Exe	cution Date(s) (1. Continued):	
Adam Andrae (11/05	/2012)		
Additional Assign	ees (2. Continued):		
Assignee Name;			
Internal Address:	•		
Street Address:			
City:	State:	Country:	Zip:
Assignee Name:			¥ ——
Internal Address:			range and the same
Street Address:			
City;	State:	Country:	Zip:
Assignee Name:			
Internal Address:			
Street Address:			
City:	State:	Country:	Zip:
Additional Applicat	ions and/or Patents	s (4. Continued):	
Additional Patent Application 4A. Continued:		Additional Patent Numbers 4B. Continued:	
			!
	Additional numbers a	attached? Yes X No	

2

Docket No.: AIRBUS 3.3-499

Jormer PTO/SB/) 5 (6-00) Modified LOLKAM

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)		
	AIRBUS 3.8-499 CON		
Whereas, I, Georg Lonsdorfer	of		
Am Hohenwedel 20, 21282 Stade, Germany			
hereafter referred to as assignor, have with others invented certain new and useful improvements in Device And Method For The Production Of Two-Dimensionally Arched Structural Components From A Fiber Composite			
x for which an application for a United States Letters Patent was filed on September 28, 2012 Application Number 13/638,141			
for which an application for a United States Letters Paten	A		
X for which an International Application was filed on			
PCT/EP2011/054720 , designating the United And	States.		
Whereas, Airbus Operations GmbH			
a corporation of <u>Germany</u> herein referred to as "assignes" whose <u>Kreetslag 10, 21129 Hamburg, Germany</u>	e mailing address Is		
is desirous of acquiring the entire right, title and interest in the sai	me;		
NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said Invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past intringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, helrs and assigns do thereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all easignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvementa, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to ald assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses in			
And I do hereby authorize my attorneys to Insert on this deed the when known,	filling date and application number of said application		
_8.M. 2012			
Date	Georg Lonsdorfer		
Julian Krydis Witness			
Typed Name of Witness			
V Problem E I			

- 1	n		ν
ᆫ	U	L	K

4.0.4.4	Docket Number (Optional)		
ASSIGNMENT OF UTILITY APPLICATION	AIRBUS 3,9-499 CON		
Whereas, I, Remo Hinz	of		
Triffgang 1, 21662 Stade, Germany			
hereafter referred to as assignor, have with others invented certain new and useful improvements in Device And Method For The Production Of Two-Dimensionally Arched Structural Components From A Fiber Composite			
X for which an application for a United States Letters Patent was filled on September 28, 2012 Application Number 13/638,141			
for which an application for a United States Letters Pater	it was executed by me on		
x for which an International Application was filed on	March 28, 2011 , as		
PCT/EP2011/054720 , designating the United	States.		
Whereas, Airbus Operations GmbH			
a corporation of <u>Germany</u> herein referred to as "assignee" whose <u>Kreetslag 10, 21129 Hamburg, Germany</u>	mailing address is		
is desirous of acquiring the entire right, little and interest in the sa	me;		
Is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesald utility patent application and all original, divisional, continuation, substitute or relesue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the atoresaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and Ingrid representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignsed of the entire interest therein; and the undersigned for me and my legal representatives, helps and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to lestify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to ald assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be bome and paid by said assignee.			
And I do hereby authorize my attorneys to Insert on this deed the filing date and application number of said application when known.			
29.10.2012	P. King		
Date	Remo Hinz		
Witness Claus Fastert Typed Name of Witness			
X 'Total of 5 forms are submitted.			

CD-515\

PATENT REEL: 029416 FRAME: 0446

	tamer PPOSSME (\$ 60) Menois # [() pa		
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Ophorol)		
	AIRBUS 3 9-499 CON		
Whereas, I. Adrian Wachendort			
Mundaburger Damm 18, 22087 Hamburg, Germany			
herealter referred to as sasigner, have with others invented certs Opvice And Method For The Production Of Two-Dime From A Fiber Composite	iln new and useful improvements in neienelly Arched Structural Components		
x for which an application for a United States Letters Patent was filed on September 28, 2012 Application Number 13/039,141			
for which an application (or a United States Letters Palant was executed by me on			
x for which an International Application was filed on March 28, 2011			
PCT/EP2011/054720 , dosignating the United States			
Whereas, Airbus Operations GmbH			
a corporation of Cermany havein referred to as "assignee" whose	ei Beenbbe gnillem		
Kreetsing 10, 21129 Hamburg, Germany us desirous of acquiring the cettre right, title and interest in the set			
we are not a sortenish free dating tiditi' lide and litterest to the 94	n e.		
said invention, including without furdication all applications and per the algorisated utility application pursuant to any law of trienty, and influencement with the right to sue for and collect the same for its logal representatives, and anctuding the right to claim such more frademarks is hereby authorized and requirated to beste all peu- said saughed herent, as daugned of the dotte interest the representatives, heirs and actions do hereby agrees, and reversion all original, divisional, continuation, relaxity and often application assignments thereby to said essigned or its sestigns, to communic known to the undersigned respecting said improvements, where legal proceedings in which any of said applications or patients in all rightful saits, and to do generally austything recessory in aid obtain printin protection for entit improvements in all equations, in- and paid by and designed.	I including all clarats for damagios by reston of past cown use and the use of its succession, savigns und kly or bendif, and the Commissional of Patents and king on sold improvements or resulting therefrom to main, and the undersigned for me and my legal without further remineration, to exceeds and deliver salined further remineration, to exceeds and deliver as locale to 4545 designed or de representatives all locale to 4545 designed or de representatives of foliar requested, to justify in any Interferences or other by before involved, to sign all invest papers, make the first and the second or and investigation of the second or other the second or other than th		
And I do hereby authorize my attorneys to insert on this deed the when known	illing date and application number of said application		
OL/11/12 Date Addison Wachendorn			
Date Addison Wachendori			
Wingsa Typed Name of Witness			
- Pheno Callina of Astriaga			
rTotal of 5 forms are submitted.			
7 · \$.			

LDLKM

PATENT

REEL: 029416 FRAME: 0447

	Docket Number (Optional)		
ASSIGNMENT OF UTILITY APPLICATION	AIRBUS 3.9-499 CON		
Whereas, I, Niels Deschauer	of		
Jakeb Gretser-Str. 6, 89677 Markdorf, Germany Peles	-Thumb-Str. 14,78100 Freiburg		
hereafter referred to as assignor, have with others invented certain new and useful improvements in Device And Method For The Production Of Two-Dimensionally Arched Structural Components _From A Fiber Composite			
x for which an application for a United States Letters Patent was filed on September 28, 2012 Application Number 13/638,141			
for which an application for a United States Letters Pater	it was executed by me on ,		
x for which an International Application was filed on	March 28, 2011 , as		
PCT/EP2011/054720 , designating the United	States.		
Whereas, Airbus Operations GmbH			
a corporation of <u>Germany</u> herein referred to as "assignee" whose <u>Kreetslag 10, 21129</u> Hamburg, Germany	e malling address is		
Is desirous of acquiring the entire right, title and interest in the sa	me;		
NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or releasue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, relsaue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses in			
And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.			
05.11.2012	Derden		
Date	Niels Deschauer		
Witness Jones Velten Typed Name of Witness			
X *Total of 5 forms are submitted.			

PATENT

REEL: 029416 FRAME: 0448

RECORDED: 11/28/2012

- 1	n	3	v	4.4
	U	L	N	10

	Docket Number (Optional)		
ASSIGNMENT OF UTILITY APPLICATION	AIRBUS 3.9-499 CON		
Whereas, I. Adam Andră	of		
Hesenweg 6, 00090 Immensteed Germany Binzer	19:0n 2, 79114 FeiLura		
Device And Method For The Production Of Two-Dime From A Fiber Composite	nsionally Arched Structural Components		
for which an application for a United States Letters Patent was filed on September 28, 2012 Application Number 13/638,141			
for which an application for a United States Letters Pater	t was executed by me on		
X for which an International Application was filed on	March 28, 2011 . as		
PCT/EP2011/054720 , designating the United And	States.		
Whereas, Airbus Operations GmbH			
a corporation of <u>Germany</u> herein referred to as "assignee" whose <u>Kreetslag 10, 21129 Hamburg, Germany</u>	e malling address is		
is desirous of acquiring the entire right, title and interest in the sa	me;		
NOW, THEREFORE, In consideration of the sum of one dollar (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or relasue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses inc			
And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.			
05.11.2012	1.11		
Date	Adam Andrä		
Willess			
Typed Name of Witness			
x *Total of 5 forms are submitted.			
NS1 9392 THE T TYPE			

PATENT

REEL: 029416 FRAME: 0449