m PTO-1595 (Rev. 09/ 04) B No. 0651-0027 (exp. 6/30/2005)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office
RECORDATION FOR	
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)/Execution Date(s):	2. Name and address of receiving party(ies)
JLRICH EBERTH (04/11/2008), MARTIN	
FRIEDRICH (04/19/2008), AND HANS-	
MARTIN KRAFFT (04/19/2008)	Name: AIRBUS DEUTSCHLAND GMBH
	Internal Address:
execution Date(s): in parentheses after Inventor name	Street Address:
Additional name(s) of conveying party(ies) attached? Yes X No	
	KREETSLAG 10
3. Nature of Conveyance:  Merger  Merger	
<u> </u>	HAMB) IRG
Security Agreement Change of Name	City: HAMBURG
Government Interest Assignment	State:
Executive Order 9424, Confirmatory License	Country: GERMANY Zip: 21129
Other	Additional name(s) & address(es) x Yes No attached:
	This document is being filed together with a new application.
A. Patent Application No.(s) 11/992,177	ly Tyes X No
Additional numbers attached	<u> </u>
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Scott E. Charney LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00
Internal Address: Atty. Dkt.: AIRBUS 3.3-240	Authorized to be charged by credit card
Street Address: 600 South Avenue West	Authorized to be charged to deposit account  Enclosed
	None required (government interest not affecting tit
City: Westfield	8. Payment Information
State: NJ Zip: 07090	a. Credit Card Last 4 Numbers
Phone Number: (908) 518-6336	Expiration Date  12-1095
Fax Number: (908) 654-0415	b. Deposit Account Number 12-1095  Authorized User Name Scott E. Charney
Email Address: scharney@ldlkm.com	Additionage over theme over an array
9. Signature:	
Sar-C-	March 10, 2009
Signature	Date
Scott E. Charney - 51,548  Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:

**PATENT REEL: 022378 FRAME: 0127** 

orm PTO-1595	RECORDA	(continued)		
Additional Conveyi	ng Party(ies)/Execu	tion Date(s) (1. Contin	nued):	
				1
Additional Assigne	es (2. Continued):			
		ıft- und R <u>a</u> umfa <u>h</u> rt e. V <u>.</u>	(DLR)	
Assignee Name: <u>Deuts</u> Internal Address:	sches Zent <u>r</u> um lue <u>r</u> Li	III- pila ( <u>Vadrinarii) (ö. V.</u>	(13 12) 1/2	_ <del>_</del>
	r Hoehe			
City: <u>K</u> oeln	State:	Country:	Germany _	Zlp:5114 <u>7</u>
Assignee Name: Internal Address:			_	- <del></del>
Street Address:				
City:	State:	Country:		Zip:
<u> </u>				
Assignee Name: Internal Address:	<u>-</u>			
Street Address:				
  City:	State:	Country:		Zip:
A LUC well Armlin	ations and/or Paten	ts (4. Continued):		
Additional Patent Applica		Additional Patent N	lumbers	
4A. Continued:	<b></b>	4B, Continued:		
			<b></b>	
	Additional numbe	rs attached? Yes	No _	

Docket No.: AIRBUS 3.3-240

	former PTO/SB/15 (8-00) Modified LDUKEM
	Docket Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	AIRBUS 3.3-240
Whereas, I, Ulrich Eberth	of
Buergermeister-Schaeferling-Str. 5: 86609 Donauwoert	h; GERMANY
	isis seu sed useful improvements iu
BODY	O LINEO 1 D 1 N -
for which an application for a United States Letters Par Application Number	
for which an application for a United States Letters Pate	ent was executed by me on
x for which an International Application was filed on	i i
PCT/EP2006/009157 , designating the Unite	d States.
And	
Whereas, Airbus Deutschland GmbH	mailing address is
a corporation of Germany herein referred to as "assignee" who	ose (Halling Routest in
Kreetslag 10; 21129 Hamburg; GERMANY is desirous of acquiring the entire right, title and interest in the	same;
Is desired or acquiring the chart of good and	
And	+ - V (DLP)
Whereas. <u>Deutsches Zentrum fuer Luft- und Raumfah</u> a corporation of <u>Germany</u> herein referred to as "assignee" wh	ose malling address is
a corporation of Germany herein referred to as assigned with Linder Hoehe; 51147 Koeln; GERMANY	
is desirous of acquiring the entire right, title and interest in the	şame;
NOW, THEREFORE, in consideration of the sum of one is acknowledged, and other good and valuable consideration assignee my entire right, title and interest for the United Sinvention and the aforesaid utility patent application and applications and patents applied for or granted therefor in the invention, including without limitation all applications and patents aforesaid utility application pursuant to any law or treaty, infringement with the right to sue for and collect the same filegal representatives, and including the right to claim such Trademarks is hereby authorized and requested to issue all passignee herein, as assignee of the entire interest therein; heirs and assigns do hereby agree and covenant without divisional, continuation, reissue and other applications for thereof to said assignee or its assigns, to communicate to undersigned respecting said improvements, whenever reproceedings in which any of said applications or patents may oaths, and to do generally everything necessary to aid assignee.	all original, divisional, continuation, substitute or reissue e United States of America and all other countries, for said atents for said invention claiming priority or benefit of the and including all claims for damages by reason of past for its own use and the use of its successors, assigns and priority or benefit and the Commissioner of Patents and patents on said improvements or resulting therefrom to said and the undersigned for me and my legal representatives, further remuneration, to execute and deliver all original, Letters Patent on said improvements and all assignments said assignee or its representatives all facts known to the equested, to testify in any interferences or other legal or become involved, to sign all lawful papers, make all rightful the incident to said applications to be borne and paid by said
And I do hereby authorize my attorneys to insert on this der when known.	Med the filling date and application fidures.
17.04.2008	
Date	Ulrich Eberth
Scheid United  Witness  URCULA SCHNEID  Typed Name of Witness	
<u>URSULA SCHNEID</u> Typed Name of Witness	

X \*Total of 3 forms are submitted.

former PTO/SB/15 (8-00) Modified LDLK&M

	Docket Number (Optional)	Į.
ASSIGNMENT OF UTILITY APPLICATION	AIRBUS 3.3-240	
Whereas, I, Martin Friedrich		f
Am Kuckucksherg 20: 31177 Harsum; GERMANY		ŀ
nereafter referred to as assignor, have with others invented certain DOCKING AND UNDOCKING OF LIQUID CARRYING BODY	new and useful improvements in G LINES TO AND FROM A DOCKING	
for which an application for a United States Letters Pat	ent was filed on	
Application Number for which an application for a United States Letters Pate	nt was executed by me on,	,
x for which an International Application was filed on		
PCT/EP2006/009157 , designating the United	d States.	i
And Whereas, <u>Airbus Deutschland GmbH</u>		
a corporation of Germany herein referred to as "assignee" whose Kreetslag 10; 21129 Hamburg; GERMANY	mailing address is	
is desirous of acquiring the entire right, title and interest in the sai		
And Bourstohet	N (DLR)	
Whereas, <u>Deutsches Zentrum fuer Luft- und Raumfahrt</u> a corporation of <u>Germany</u> herein referred to as "assignee" whose	e mailing address is	
1 inder Hoehe: 51147 Koeln: GERMANY		
is desirous of acquiring the entire right, title and interest in the sa	me; dollars (\$ 1.00 ), the receipt	
NOW, THEREFORE, in consideration of the sum of one is acknowledged, and other good and valuable consideration assignee my entire right, title and interest for the United States and the aforesaid utility patent application and all original, divisions applied for or granted therefor in the United States of A without limitation all applications and patents for said invention of pursuant to any law or treaty, and including all claims for damage and collect the same for its own use and the use of its successing to claim such priority or benefit and the Commissione requested to issue all patents on said improvements or result entire interest therein; and the undersigned for me and my legicovenant without further remuneration, to execute and deliverapplications for Letters Patent on said improvements and all communicate to said assignee or its representatives all facts whenever requested, to testify in any interferences or other legical may become involved, to sign all lawful papers, make all right assignee, its successors, assigns and nominees to obtain pall expenses incident to said applications to be borne and paid by	sional, continuation, substitute or reissue applicationerica and all other countries, for said invention, inclaiming priority or benefit of the aforesaid utility appears by reason of past infringement with the right the sors, assigns and legal representatives, and incluing therefrom to said assignee herein, as assigned in representatives, heirs and assigns do hereby a er all original, divisional, continuation, reissue at assignments thereof to said assignee or its as known to the undersigned respecting said improval proceedings in which any of said applications of the control of the c	ions and including opilication of sue for uding the ized and eee of the igree and other ssigns, to a third any third any third any third and thire
And I do hereby authorize my attorneys to insert on this deed when known.	If the filling date and application number of said a	hhioma
19 <u>04. 1 00</u> 8 _	1 Lichen	_
Date	Martin Friedrich	
M. Noch Light		
<u>MAKSIM. PODKORYTOV</u> Typed Name of Witness		
x *Total of 3 forms are submitted.		

ASSIGNMENT OF UTILITY APPLICATION  AIRBUS 3.3-240  Thereas, I. Hans-Martin Krafft		former PTO/SB/15 (8-00) Modified LDLK&M
Action of Segment Process of States (SERMANY)  Application Number 20: 21882 States (SERMANY)  Application Number Convention of a United States Letters Patent was filed on Application for a United States Letters Patent was filed on Application for a United States Letters Patent was filed on Application for a United States Letters Patent was executed by me on Torwhich an application for a United States Letters Patent was executed by me on Torwhich an International Application was filed on September 20, 2006, as PCT/EP2006/009167, designating the United States.  And Whereas. Airbus Deutschland GmbH  1 orporation of Segmenty herein referred to as "assignee" whose mailing address is Krestslag 10: 21129 Hamburg, GERMANY.  1 de desirous of acquiring the entire right, title and interest in the same;  2 acquiring the entire right, title and interest in the same;  3 acquiring the entire right, title and interest in the same;  3 acquiring the resident of the same of the same;  4 acquiring the resident of the same of the same;  5 acknowledged, and other good and valuable consideration, I as assigner thereby sell, assign and set over to satignee my writer right, title and interest for the United States of America and all other countries in and to said inventional fluidation all populations and protection and toriginal, divisional, continuation, substitute or reissue applications and subject to read invention and subject to read invention and subject to read invention and subject to read therefore in the United States of America and all other countries, for said inventional fluidation and application and all original, divisional, continuation, substitute or reissue applications and explained for or granted therefor in the United States of America and all other countries in and to said invention and subject to read invention and called the same for its own use and the resolution in call inventions and subject to reside the proprietations of the same for its own use and the crossing in teritorion to said assignee on the entire	·	Docket Number (Optional)
Mans-Martin Krafft   Kehtinger Muehren 20; 2:1682 Stade; GERMANY	ASSIGNMENT OF UTILITY APPLICATION	AIRBUS 3.3-240
Kehdinger Muehren 20: 21682 Stade: GERMANY  breather referred to as assignor, have with others invented certain new and useful improvements in DOCKING AND UNDOCKING OF LIQUID CARRYING LINES TO AND FROM A DOCKING BODY  for which an application for a United States Letters Patent was filed on Application Number for which an application for a United States Letters Patent was executed by me on X for which an International Application was filed on September 20, 2006 as PCT/EP2006/009157 designating the United States.  And Mhereas, Airbus Deutschland GmbH corporation of Germany herein referred to as "assignee" whose mailing address is Kreetslag 10: 21129 hemburg; CERMANY steelings 10: 21129 hemburg; CERMANY steelings of Certain of Germany herein referred to as "assignee" whose mailing address is Linder inches 51147 Koein; GERMANY is desirous of acquiring the entire right, title and interest in the same; a corporation of Germany herein referred to as "assignee" whose mailing address is Linder inches 51147 Koein; GERMANY is desirous of acquiring the entire right, title and interest in the same; a corporation of Germany herein referred to as "assignee" whose mailing address is Linder inches 51147 Koein; GERMANY is desirous of acquiring the entire right, title and interest in the same; as acknowledged, and other good and valuable consideration, I as assigner hereby sell, assign and set over the sackness of a signal and the aforesaid utility period and the aforesaid utility period and the aforesaid utility period and the aforesaid utility applications and patents of variety application and all original, divisitional, continuation, substitute or reliable applications and patents of variety and including all claims for damages by reason of past infringement with right to sue pursuant to any less were the sown use and the undersigned representatives, and including right to claim such priority or benefit and the Commissioner of plant infringement with right to sue of its successors, as a signal to a said assignee therein, as a		of
ereafter referred to as assignor, have with others invented certain new and useful improvements in DOCKING AND UNDOCKING OF LIQUID CARRYING LINES TO AND FROM A DOCKING BODY    for which an application for a United States Letters Patent was filed on Application Number   for which an application for a United States Letters Patent was executed by me on     for which an international Application was filed on September 20, 2006   as     PCT/EP2006/009157   designating the United States.     Airbus Deutschland GmbH   a corporation of Germany herein referred to as "assignee" whose mailing address is     Kreetalso 10, 21129 Hamburg, GERMANY   a desirous of acquiring the entire right, title and interest in the same;     And Whereas   Deutsches Zentrum fuer Luft- und Raumfahrt e. V. (DLR)     And Whereas   Deutsches Zentrum fuer Luft- und Raumfahrt e. V. (DLR)     And Whereas   Deutsches Zentrum fuer Luft- und Raumfahrt e. V. (DLR)     And Germany herein referred to as "assignee" whose mailing address is     Linder Hoebe, S1147 Koein, GERMANY   a corporation of Germany herein referred to as "assignee" whose mailing address is     Linder Hoebe, S1147 Koein, GERMANY   a corporation of Germany herein referred to as "assignee" whose mailing address is     Linder Hoebe, S1147 Koein, GERMANY   a desirous of acquiring the entire right, title and interest for the United States of America and all other countries in and to said invention and the office and all other countries in and to said invention and the aforesaid utility patent application and patents to raise of America and all other countries, for said invention, included the aforesaid utility patent application and patents to raise of America and all other countries, for said invention, include without limitation all applications and patents for said invention daining priority or benefit of the aforesaid utility application and patents to raise of invention calaining priority or benefit of the aforesaid utility application and patents for said invention and all order count		<u></u>
GOCKING AND UNDUCKING OF LICENS CARRATY  for which an application for a United States Letters Patent was filed on Application Number for which an application for a United States Letters Patent was executed by me on for which an international Application was filed on September 20, 2006 as PCT/EP2006/009157 designating the United States.  And Whereas, Airbus Deutschland GmbH corporation of Germany herein reterred to as "assignee" whose mailing address is Kreetslag 10; 21129 Hamburg, GERMANY as desirous of acquiring the entire right, title and interest in the same;  And Whereas. Deutsches Zentrum fuer Luft- und Raumfahrt e. V. (DLR) as corporation of Germany herein referred to as "assignee" whose mailing address is Linder Hoshe; 51147 Koein; GERMANY is desirous of acquiring the entire right, title and interest in the same;  NOW, THEREFORE, in consideration of the sum of One dollars (\$ 1.00 ), the receipt when is a corporation of germany herein referred to as "assignee" whose mailing address is Linder Hoshe; 51147 Koein; GERMANY is desirous of acquiring the entire right, title and interest in the same;  NOW, THEREFORE, in consideration of the sum of One dollars (\$ 1.00 ), the receipt when is a schnowledged, and other good and valuable consideration, I as assignee my entire land interest to the United States of America and all other countries in and to said invention and the afforesaid utility application and patients for said invention, including the patent applications and patients for said invention claiming priority or benefit of the aforesaid utility application and patients for said invention claiming priority or benefit of the aforesaid utility applications and patients for said invention claiming priority or benefit of the aforesaid utility applications in the patient of the same for its own use and the use of its successors, assigns and legal representatives, and including provements for resulting thereforn to said assigns or hereby agrice and covenant with further remuneration, to execute and deliver all o	Kehdinger Muehren 20; 21682 Stade; GERMANY	- sew and useful improvements in
for which an application for a United States Letters Patent was filed on Application Number for which an application for a United States Letters Patent was executed by me on for which an international Application was filed on September 20, 2006 as PCT/EP2006/003157 designating the United States.  And Whereas, Airbus Deutschland GmbH acopporation of Germany herein referred to as "assignee" whose mailing address is Kreetslag 10; 21129 Hamburg, GERMANY so desirous of acquiring the entire right, title and interest in the same;  And Whereas, Deutsches Zentrum fuer Luft- und Raumfahrt e. V. (DLR)  a corporation of Germany herein referred to as "assignee" whose mailing address is Linder Hoche; 51147 Kopin; GERMANY is desirous of acquiring the entire right, title and interest in the same;  NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt when is acknowledged, and other good and valuable concideration, I as assignor hereby sell, assign and set over to s is acknowledged, and other good and valuable concideration, I as assigner were reflected application and all original, divisional, continuation, substitute or reside applications and the aforesaid dulity patent application and all original, divisional, continuation, substitute or reside utility applications and patents applications and patents to read invention daining priority or benefit of the aforesaid utility applications and patents to read invention daining priority or benefit of the aforesaid utility applications and patents to read invention daining priority or benefit of the aforesaid utility applications and patents to read invention daining priority or benefit of the aforesaid utility applications and patents to read invention daining all prepresentatives, and including all calms for damages by reason of past infringement with the right to supplication and applications on patents or resulting therefore to a said assignee persent of the entire right to see protein the said assignments thereof to said assignee or its assigns, to	DOCKING AND UNDOCKING OF LIGOR CARLETIN	IG LINES TO AND FROM A DOCKING
for which an application for a United States Letters Patent was executed by me on  X for which an International Application was filed on September 20, 2006 as  PCT/EP2006/009157 designating the United States.  And  Whereas, Airbus Deutschland GmbH as opportunity of the service of the servic	for which an application for a United States Letters Pa	tent was filed on
And  PCT/EP2006/009157 , designating the United States.  And  Morereas, Airbus Deutschland GmbH  a corporation of Germany herein referred to as "assignee" whose mailing address is  Kreetslag 10; 21129 Hamburg, GERMANY  is desirous of acquiring the entire right, title and interest in the same;  And  Whereas, Deutsches Zentrum fuer Luft- und Raumfahrt c. V. (DLR)  a corporation of Germany herein referred to as "assignee" whose mailing address is  Linder Heehe; 51147 Kogin; GERMANY  is desirous of acquiring the entire right, title and interest in the same;  NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 s), the receipt when is acknowledged, and other good and valuable consideration. I as assignen hereby sell, assign and set over to s is acknowledged, and other good and valuable consideration. I as assignen hereby sell, assign and set over to s is acknowledged, and other good and valuable consideration. I as assignen hereby sell, assign and set over to s is acknowledged, and other good and valuable consideration. I as assignen hereby sell, assign and set over to s is acknowledged, and other good and valuable consideration. I as assignen hereby sell, assign and set over to s is acknowledged, and other good and valuable consideration. I as assignen hereby sell, assign and set over to s is acknowledged, and other good and valuable consideration. I as assignen hereby sell, assign and set over to s is acknowledged, and other good and valuable consideration. I as assignen thereto sell, assign and patents applications and all original, divisional, continuation, substitute or reissue applications and the aforesaid utility application and all original, divisional, continuation, substitute or reissue applications for Let the same for its own use and the use of its successors, assigns and legal representatives, and including all claims for damages by reason of patents with the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requestions and ass	Application Number	ent was executed by me on
And Mnereas, Airbus Deutschland GmbH a corporation of Germany herein referred to as "assignee" whose mailing address is Kreetslag 10; 21129 Hamburg, GERMANY as desirous of acquiring the entire right, title and interest in the same;  And Mnereas, Deutsches Zentrum fuer Luft- und Raumfahrt e. V. (DLR) a corporation of Germany herein referred to as "assignee" whose mailing address is Linder Hoehe; 51147 Koein; GERMANY is destrous of acquiring the entire right, title and interest in the same;  NOW, THEREFORE, in consideration of the sum of one doffers (\$ 1.00 ), the receipt when is acknowledged, and other good and valuable consideration. I as assignor hereby sell, assign and set over to s is acknowledged, and other good and valuable consideration. I as assignor hereby sell, assign and set over to s is acknowledged, and other good and valuable consideration. I as assignor hereby sell, assign and set over to s is acknowledged, and other good and valuable consideration. I as assignor hereby sell, assign and set over to s is acknowledged, and other good and valuable consideration, assignee my entire right, title and interest for the United States of America and all other countries, for said invention and all original, divisional, continuation, substitute or reissue applications and the aforesaid utility applications and patents top is a state of America and all other countries, for said invention daiming priority or benefit of the grade and the report of the same for its own use and the use of its successors, assigns and legal representatives, and including all daims for damages by reason of past infingement with the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requestight to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requestight to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized my ferman of the creative interest on said improvements and all a		
Arbus Deutschland GmbH a corporation of Germany herein referred to as "assignee" whose mailing address is Kreetslag 10; 21129 Hamburg; GERMANY a desirous of acquiring the entire right, title and interest in the same;  And Whereas. Deutsches Zentrum fuer Luft- und Raumfahrt e. V. (DLR) a corporation of Germany herein referred to as "assignee" whose mailing address is Linder Hoehe; 51147 Koeln; GERMANY is desirous of acquiring the entire right, title and interest in the same;  NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt when is acknowledged, and other good and valuable consideration, I as 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 applications and patents for said invention claiming priority or benefit of the aforesaid utility applications and patents for said invention claiming priority or benefit of the aforesaid utility applications and patents for said invention claiming priority or benefit of the aforesaid utility applications and patents for said invention claiming priority or benefit of the aforesaid utility applications and patents for said invention claiming priority or benefit of the aforesaid utility application and all collect the same for its own use and the use of its successors, assigns and legal representatives, and including all claims for damages by reason of past infringement with the right to sue and collect the same for its own use and the use of its successors, assigns and legal representatives, and including all claims for damages by reason of past infringement with the right to use and the undersigned for me and my legal representatives, heirs and assigns to hereby authorized and require further remuneration, to execute and deliver all original, divisional, continuation, reissue and hereapplications to in	PCT/EP2006/009157 , designating the Unite	
Acceptation of Germany herein referred to as "assignee" whose mailing address is Kreetslag 10; 21129 Hamburg, GERMANY as desirous of acquiring the entire right, title and interest in the same; And Whereas. Deutsches Zentrum fuer Luft- und Raumfahrt e. V. (DLR) as corporation of Germany herein referred to as "assignee" whose mailing address is Linder Hoehe; 51147 Koein; GERMANY is desirous of acquiring the entire right, title and interest in the same; NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt when is acknowledged, and other good and valuable consideration. Las assignor hereby sell, assign and set over to sis acknowledged, and other good and valuable consideration. Las assignor hereby sell, assign and set over to sis acknowledged, and other good and valuable consideration. Las assignor hereby sell, assign and set over to sis acknowledged, and other good and valuable consideration. Las assignor hereby sell, assign and set over to sis acknowledged, and other good and valuable consideration. Las assignor hereby sell, assign and set over to sis acknowledged, and other good and valuable consideration. Las assignor hereby sell, assign and set over to sis acknowledged, and other good and valuable consideration. Las assignore in and to said invention and the aforesaid utility application and applications and patents for said invention claiming priority or benefit of the aforesaid utility applications and patents for said invention claiming priority or benefit of the aforesaid utility application of the same for its own use and the use of its successors, assigns and legal representatives, and including all claims for damages by reason of past infiningement with the right to said assigns on the path procedure and the commissioner of Patents and Trademarks is hereby authorized and requesting the claims such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requesting the services of the entire interesting and the commissioner of Patents and Se	And	
Kneetslag 10; 21129 Hamburg, GERMANY s desirous of acquiring the entire right, title and interest in the same;  And Whereas. Deutsches Zentrum fuer Luft- und Raumfahrt e. V. (DLR) a corporation of Germany herein referred to as "assignee" whose mailing address is Linder Hoehe; 51147 Koein; GERMANY is desirous of acquiring the entire right, title and interest in the same; NOW, THEREFORE, in consideration of the sum of One dollars (\$ 1.00 ), the receipt when is acknowledged, and other good and valuable consideration. I as assignor hereby sell, assign and set over to s 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 the aforesaid utility patent applications and patents for said invention claiming priority or benefit of the aforesaid utility application and all original, divisional, continuation, substitute or reissue alluftly application and all original to any lew or treaty, and including all claims for damages by reason of past infringement with the right to sue pursuant to any lew or treaty, and including all claims for damages by reason of past infringement with the right to sue pursuant to any lew or treaty, and including all claims for damages by reason of past infringement with the right to sue pursuant to any lew or treaty, and including all claims for damages by reason of past infringement with the right to sue pursuant to any lew or treaty, and including all claims for damages by reason of past infringement with the right to sue pursuant to any lew or treaty, and including all claims for damages by reason of past infringement with the right to sue pursuant to any lew or treaty, and including all claims for damages by resentatives, and including all claims for damages by resentatives, and including and collect the said assignment with the right part and the contract of the entire interior or claims and	Whereas, Airbus Deutschland GmbH	e mailing address is
And  Whereas. Deutsches Zentrum fuer Luft- und Raumfahrt e. V. (DLR) a corporation of Germany herein referred to as "assignee" whose mailing address is  Linder Hoehe; 51147 Kogin; GERMANY is desirous of acquiring the entire right, title and interest in the same; is desirous of acquiring the entire right, title and interest in the same; is acknowledged, and other good and valuable consideration. I as assignor hereby sell, assign and set over to sis acknowledged, and other good and valuable consideration. I as assignors and all other countries in and to said invention and the adoresaid utility patent application and all original, divisional, continuation, substitute or reissue applications and all original, divisional, continuation, substitute or reissue applications and all original, divisional, continuation, substitute or reissue applications and the aforesaid utility application and patents for said invention claiming priority or benefit of the aforesaid utility application without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility applications and collect the same for its own use and the use of its successors, assigns and legal representatives, and including and collect the same for its own use and the use of its successors, assigns and legal representatives, and including and collect the same for its own use and the use of its successors, assigns and legal representatives, and including and collect the same for its own use and the use of its successors, assigns and legal representatives also hereby agree and coverant with therein; and the undersigned for me and my legal representatives, here and assigns do hereby agree and coverant with further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Let further remuneration, to execute and deliver all original, divisional, continuation, whereas a saigns to hereby agree and coverant with further remuneration, to execute and deliver all origina	a corporation of <u>Germany</u> nerent teleffed to as assigned annual of the company o	
Whereas. Deutsches Zentrum fuer Luft- und Raumfahrt e. V. (DLR) a corporation of Germany herein referred to as "assignee" whose mailing address is  Linder Hoehe; 51147 Koein; GERMANY is desirous of acquiring the entire right, title and interest in the same;  NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt when is acknowledged, and other good and valuable consideration. I as assignor hereby sell, assign and set over to s is acknowledged, and other good and valuable consideration. I as assignor hereby sell, assign and set over to s is acknowledged, and other good and valuable consideration, 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 the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and the aforesaid utility application and applications and patents for said invention claiming priority or benefit of the aforesaid utility application without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application and collect the same for its own use and the use of its successors, assigns and legal representatives, and including and collect the same for its own use and the use of its successors, assigns and legal representatives, and including right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requestight to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requestight to claim such priority or benefit and the Commissioner of Patents and Saignee herebn, as assignee of the entire interesting to claim such priority or benefit and the Commissioner of Patents and assigns do hereby agree and coverant with therein; and the undersigned for me and my legal representatives, heirs and assigns to hereby agree and coverant with furt	s desirous of acquiring the entire right, title and interest in the sa	me;
Mereas. Deutsches Zentrum fuer Luft- und Raumfahrt e. V. (DLR) a corporation of Germany herein referred to as "assignee" whose mailing address is  Linder Hoehe; 51147 Koeln; GERMANY is destrous of acquiring the entire right, title and interest in the same;  NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt when is acknowledged, and other good and valuable consideration, I as assigner hereby sell, assign and set over to see a consultation, and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and the aforesaid utility patent applications and patents for said invention claiming priority or benefit of the aforesaid utility applications and patents for said invention claiming priority or benefit of the aforesaid utility applications and patents for said invention daiming priority or benefit of the aforesaid utility applications and patents for said invention daiming priority or benefit with the right to surpursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to surpursuant to any leave or treaty, and including all claims for damages by reason of past infringement with the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requestight to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby applications for test further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Let further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Let further remuneration, to execute and deliver all original divisional, continuation, reissue and other applications for Let further remuneration, to execute and deliver all original division		
a corporation of Germany herein referred to as "assignee" whose mailing address is  Linder Hoehe; 51147 Koeln; GERMANY is desirous of acquiring the entire right, title and interest in the same;  NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt when is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to sis acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to sis acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to sis acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to sis acknowledged, and other and interest for the United States of America and all other countries in and to said invention and the aforesaid utility paternt applications and patents for said invention claiming priority or benefit of the aforesaid utility applications and patents for said invention claiming priority or benefit of the aforesaid utility applications and collect the same for its own use and the use of its successors, assigns and legal representatives, and including all claims for damages by reason of past infringement with the right to said assignee the same for its own use and the use of its successors, assigns and legal representatives, and including and collect the same for its own use and the use of its successors, assigns and legal representatives, and including all patents on said improvements or resulting therefrom to said assignee therein, as assignee on the reflex, as assigns and to explications for Let further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Let further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Let further remuneration, to execute and deliver all original, divisional, continuation, subject to past and the applications and patents.		e V (DLR)
Linder Hoehe; 51147 Koeln; GERMANY is desirous of acquiring the entire right, title and interest in the same;  NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt when is acknowledged, and other good and valuable consideration. I as assignor hereby sell, assign and set over to se acknowledged, and other good and valuable consideration. I as assignor hereby sell, assign and set over to se acknowledged, and other good and valuable consideration. I as assignor hereby sell, assign and set over to se acknowledged, and other application and all original, divisional, continuation, substitute or reissue applications and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents for said invention claiming priority or benefit of the aforesaid utility applications and patents for said invention claiming priority or benefit of the aforesaid utility applications and patents for said invention claiming priority or benefit of the aforesaid utility applications and collect the same for its own use and the use of its successors, assigns and legal representatives, and including all claims such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requestight to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requestight to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requestight to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requestight to claim such priority or benefit and the commissioner of Patents and Trademarks is hereby authorized and requestight to resulting therefrom to said assignee and contains the entire interesting and the undersigned for me and my legal representatives, heirs and assigns to hereby agree and covernant with further remuneration, to execute and deliver all original, divisional, continuation, re	Whereas, Deutsches Zentrum ruer Lun- und Rachmann	e mailing address is
s desirous of acquiring the entire right, title and interest in the same;  NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt where is acknowledged, and other good and valuable consideration. I as assignor hereby sell, assign and set over to sussignee 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 are patents applied for or granted therefor in the United States of America and all other countries, for said invention, including patents and applications and patents for said invention claiming priority or benefit of the aforesaid utility applications and patents for treaty, and including all claims for damages by reason of past infringement with the right to sue pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue and collect the same for its own use and the use of its successors, assigns and legal representatives, and including all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interiors in the undersigned for me and my legal representatives, heirs and assigns to hereby agree and covernant with further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Let further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Let further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Let further remuneration, to execute and all assignments thereof to said assignee or its assigns, to communicate to said assigns or its representatives and repute for the patent protection for said im	a corporation of Germany neterin release to as assigned whose	
NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt when is acknowledged, and other good and valuable consideration. I as assigner hereby sell, assign and set over to seasignee my entire right, title and interest for the United States of America and all other countries in and to said invention patents applied to regard dependent 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 attents applied for or granted therefor in the United States of America and all other countries, for said invention, including pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue and collect the same for its own use and the use of its successors, assigns and legal representatives, and including all claims for damages by reason of past infringement with the right to sue pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue any pursuant properties on said improvements and requesting therefrom to said assignee herein, as assignee of the entire interesting and the undersigned for me and my legal representatives, heirs and assigns to hereby agree and covernant with further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Let further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Let further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Let further remuneration, to execute any interferences or other legal proceedings in which any of said assignee or its assigns, to communicate to said assigns or patents	e desirous of acquiring the entire right, title and interest in the sa	ame;
19.04.1008  Date?  Witness  B, or Vasenko	salt fittle and interest for the United States	n, I as assignor hereby sell, assign and set over to a s of America and all other countries in and to said invent
19.04.2008  Date?  Witness  B, or / Vasenko	assignee my entire right, fifte and interest for the United States and the aforesaid utility patent application and all original, divided patents applied for or granted therefor in the United States of A without limitation all applications and patents for said invention pursuant to any law or treaty, and including all claims for dame and collect the same for its own use and the use of its succeright to claim such priority or benefit and the Commissioner of F to issue all patents on said improvements or resulting therefror therein; and the undersigned for me and my legal representative further remuneration, to execute and deliver all original, division Patent on said improvements and all assignments thereof to said improvements all facts known to the undersigned responsitive papers, make all rightful oaths, and to do generally every nominees to obtain patent protection for said improvements in a borne and paid by said assignee.	disional, continuation, substitute or reissue applications at America and all other countries, for said invention, including claiming priority or benefit of the aforesaid utility applications ages by reason of past infringement with the right to sue assors, assigns and legal representatives, and including elements and Trademarks is hereby authorized and request to said assignee herein, as assignee of the entire interest, heirs and assigns do hereby agree and covernant with conat, continuation, reissue and other applications for Letter and assignee or its assigns, to communicate to said assigneeting said improvements, whenever requested, to testify aid applications or patents may become involved, to sign withing necessary to aid assignee, its successors, assigns all countries, the expenses incident to said applications to
Bon Vasenko	assignee my entire right, title and interest for the United States and the aforesaid utility patent application and all original, division patents applied for or granted therefor in the United States of A without limitation all applications and patents for said invention pursuant to any law or treaty, and including all claims for dame and collect the same for its own use and the use of its succeright to claim such priority or benefit and the Commissioner of F to issue all patents on said improvements or resulting therefror therein; and the undersigned for me and my legal representative further remuneration, to execute and deliver all original, division Patent on said improvements and all assignments thereof to said improvements all facts known to the undersigned responsive interferences or other legal proceedings in which any of salavful papers, make all rightful caths, and to do generally every nominees to obtain patent protection for said improvements in a borne and paid by said assignee.  And I do hereby authorize my attorneys to insert on this deep	disional, continuation, substitute or reissue applications at America and all other countries, for said invention, included claiming priority or benefit of the aforesaid utility applications ages by reason of past infringement with the right to sue assors, assigns and legal representatives, and including elements and Trademarks is hereby authorized and request to said assignee herein, as assignee of the entire interest, heirs and assigns do hereby agree and covernant without, continuation, reissue and other applications for Letter aid assignee or its assigns, to communicate to said assigneeting said improvements, whenever requested, to testifications or patents may become involved, to aid assignee, its successors, assigns all countries, the expenses incident to said applications to
Bon Vasenko	assignee my entire right, title and interest for the United States and the aforesaid utility patent application and all original, division patents applied for or granted therefor in the United States of A without limitation all applications and patents for said invention pursuant to any law or treaty, and including all claims for dame and collect the same for its own use and the use of its succeright to claim such priority or benefit and the Commissioner of F to issue all patents on said improvements or resulting therefror therein; and the undersigned for me and my legal representative further remuneration, to execute and deliver all original, division Patent on said improvements and all assignments thereof to said improvements all facts known to the undersigned responsive interferences or other legal proceedings in which any of salavful papers, make all rightful caths, and to do generally every nominees to obtain patent protection for said improvements in a borne and paid by said assignee.  And I do hereby authorize my attorneys to insert on this deep	disional, continuation, substitute or reissue applications at America and all other countries, for said invention, included claiming priority or benefit of the aforesaid utility applications ages by reason of past infringement with the right to sue assors, assigns and legal representatives, and including eletents and Trademarks is hereby authorized and request to said assignee herein, as assignee of the entire interest, heirs and assigns do hereby agree and covernant with conat, continuation, reissue and other applications for Letter and assignee or its assigns, to communicate to said assigneeting said improvements, whenever requested, to testificated and improvements, whenever requested, to testificated applications or patents may become involved, to signate the applications of the expenses incident to said applications to all countries, the expenses incident to said applications to
Boin / Wasenko	assignee my entire right, fifte and interest for the United States and the aforesaid utility patent application and all original, div patents applied for or granted therefor in the United States of A without limitation all applications and patents for said invention pursuant to any law or treaty, and including all claims for dama and collect the same for its own use and the use of its succeright to claim such priority or benefit and the Commissioner of F to issue all patents on said improvements or resulting therefror therein; and the undersigned for me and my legal representative further remuneration, to execute and deliver all original, division Patent on said improvements and all assignments thereof to said improvements and all assignments thereof to said interferences or other legal proceedings in which any of salawful papers, make all rightful oaths, and to do generally every nominees to obtain patent protection for said improvements in a borne and paid by said assignee.  And I do hereby authorize my attorneys to insert on this deed when known.	America and all other countries, for said invention, includ claiming priority or benefit of the aforesaid utility applications ages by reason of past infringement with the right to sue assors, assigns and legal representatives, and including extents and Trademarks is hereby authorized and request to said assignee herein, as assignee of the entire interest, heirs and assigns do hereby agree and covernant without, continuation, reissue and other applications for Lettaid assignee or its assigns, to communicate to said assigneeting said improvements, whenever requested, to testifications or patents may become involved, to signating necessary to aid assignee, its successors, assigns all countries, the expenses incident to said applications to the filling date and application number of said applications to
Typed Name of Witness	assignee my entire right, fifte and interest for the United States and the aforesaid utility patent application and all original, dividents applied for or granted therefor in the United States of A without limitation all applications and patents for said invention pursuant to any law or treaty, and including all claims for dama and collect the same for its own use and the use of its succeright to claim such priority or benefit and the Commissioner of Fourier to issue all patents on said improvements or resulting therefror therein; and the undersigned for me and my legal representative further remuneration, to execute and deliver all original, division Patent on said improvements and all assignments thereof to said improvements and all assignments thereof to said interest or other legal proceedings in which any of slawful papers, make all rightful caths, and to do generally every nominees to obtain patent protection for said improvements in borne and paid by said assignee.  And I do hereby authorize my attorneys to insert on this deal when known.	America and all other countries, for said invention, includ claiming priority or benefit of the aforesaid utility applications ages by reason of past infringement with the right to sue assors, assigns and legal representatives, and including elements and Trademarks is hereby authorized and request to said assignee herein, as assignee of the entire interest, heirs and assigns do hereby agree and covernant with small, continuation, reissue and other applications for Lettaid assignee or its assigns, to communicate to said assigneecting said improvements, whenever requested, to testify aid applications or patents may become involved, to sign withing necessary to aid assignee, its successors, assigns all countries, the expenses incident to said applications to the filing date and application number of said applications to
	assignee my entire right, fifte and interest for the United States and the aforesaid utility patent application and all original, div patents applied for or granted therefor in the United States of A without limitation all applications and patents for said invention pursuant to any law or treaty, and including all claims for dame and collect the same for its own use and the use of its succeright to claim such priority or benefit and the Commissioner of F to issue all patents on said improvements or resulting therefror therein; and the undersigned for me and my legal representative further remuneration, to execute and deliver all original, divisionally patent on said improvements and all assignments thereof to said in the representatives all facts known to the undersigned responsitive papers, make all rightful caths, and to do generally every nominees to obtain patent protection for said improvements in a borne and paid by said assignee.  And I do hereby authorize my attorneys to insert on this dear when known.	America and all other countries, for said invention, includ claiming priority or benefit of the aforesaid utility applications ages by reason of past infringement with the right to sue assors, assigns and legal representatives, and including elements and Trademarks is hereby authorized and request to said assignee herein, as assignee of the entire interest, heirs and assigns do hereby agree and covernant without, continuation, reissue and other applications for Let aid assignee or its assigns, to communicate to said assigneeting said improvements, whenever requested, to testificated applications or patents may become involved, to signature in the expenses incident to said applications to the filing date and application number of said applications to the filing date and application number of said applications to the filing date and application number of said applications to the filing date and application number of said applications to the filing date and application number of said applications to the filing date and application number of said applications to the filing date and application number of said applications to the filing date and application number of said applications to the filing date and application number of said applications to the filing date and application number of said applications to the filing date and application number of said applications to the filing date and application number of said applications to the filing date and application number of said applications to the filing date and application number of said applications to the filing date and application number of said applications to the filing date and application number of said applications to the filing date and applications to the filing date a

**PATENT** REEL: 022378 FRAME: 0131

FD-\$187