rm PTO-1595 (Rev. 03-11)		U.S. DEPARTMENT OF COMMEI <u>United States Patent and Trademark C</u>	
MB No. 0651-0027 (exp. 03/31/2015)	RDATION FORM		
PATENTS ONLY			
To the Director of the U.S. Patent and Trade	mark Office: Please re	cord the attached documents or the new address(es) below	
1. Name of conveying party(les):		2. Name and address of receiving party(les)	
Urs Pachale		Name: Airbus Operations GmbH	
		Internal Address:	
Additional name(s) of conveying party(ies) attached?	Yes X No	Street Address:	
3. Nature of conveyance/Execution Date(	s):		
Execution Date(s): November 13, 2012		Kreetslag 10	
	inge of Name		
Security Agreement Joint Resear	ch Agreement	City: Hamburg	
***************************************		State:	
Government Interest Assignment			
Executive Order 9424, Confirmatory Lic	ense	Country.	
Other		Additional name(s) & address(es) Yes X No attached?	
Addition	al numbers attached?	Yes X No	
i. Name and address to whom correspond concerning document should be mailed	dence :	6. Total number of applications and patents involved:	
Name: Michael H, Tes LERNER, DAVID, LIT KRUMHOLZ & MEN	TENBERG,	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00	
Internal Address: Atty. Dkt.: AIRBUS 3.9	9-418 CON		
Street Address: 600 South Avenue West		X Authorized to be charged to deposit account	
		Enclosed	
		None required (government interest not affecting	
City: Westfield		8. Payment Information	
****	p: 07090	-	
Phone Number: 908-654-			
Fax Number: 908-654-7	<sup>′</sup> 866	Deposit Account Number 12-1095	
Email Address: ataylor@ld	lkm.com	Authorized User Name Michael H. Teschner	
9. Signature:			
Si	gnature	Date	
Michael H. Tescl		Total number of pages including cover sheet, attachments, and documents:	
Name of Person	n SignIng	oriest, attacimients, and occurrents.	

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PATENT REEL: 029343 FRAME: 0637

	former PTO/SB/15 (8-00) Modified LDLKAM			
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)  AIRBUS 3.9-418 CON			
Addicionality	7,111			
	_ of			
Whereas, I, Urs Pachale	- Kielartallee 21 20144 Hamburg			
Whereas, I. Urs Pachale  Mundaburger Damm 61, 22087 Hamburg, Germany - Kielert allee 21, 2014/1 Hamburg.  Mundaburger Damm 61, 22087 Hamburg, Germany - Kielert allee 21, 2014/1 Hamburg.				
hereafter referred to as assignor, have invented certain new and useful improvements in				
Plate Absorber	Potent was filed on October 17, 2012			
for which an application for a United States Letters F Application Number 13/653,937	atent was filed on October 117 Date			
for which an application for a United States Letters Patent was executed by me on				
	4			
x for which an International Application was filed o				
PCT/EP2011/055437 , designating the United States.				
And				
Whereas, Airbus Operations 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	dollar (\$ 1.00 ), the receipt whereof			
NOW, THEREFORE, in consideration of the sum of one is acknowledged, and other good and valuable consideration assignee the entire right, title and interest for the United Stinvention and the aforesaid utility patent application and all applications and patents applied for or granted therefor in the said invention, including without limitation all applications at of the aforesaid utility application pursuant to any law or benefit and the Commissioner of Patents and Trademarks on said improvements or resulting therefrom to said assigned for me and my legal representatives, heir further remuneration, to execute and deliver all original, dividenters Patent on said improvements and all assignments to said assignee or its representatives all facts known to the requested, to testify in any interferences or other legal promay become involved, to sign all lawful papers, make all in to aid assignee, its successors, assigns and nominees to countries, the expenses incident to said applications to be be	original, divisional, continuation, substitute or relissue to United States of America and all other countries, for and patents for said Invention claiming priority or benefit treaty, and Including the right to claim such priority or is hereby authorized and requested to issue all patents be herein, as assignee of the entire interest therein; and is and assigns do hereby agree and covenant without disional, continuation, reissue and other applications for thereof to said assignee or its assigns, to communicate a undersigned respecting said improvements, whenever coeedings in which any of said applications or patents eightful oaths, and to do generally everything necessary obtain patent protection for said improvements in all corne and paid by said assignee.			
And I do hereby authorize my attorneys to insert on this application when known.	described that having date and approximately			
Date  OHL  Witness  LAES HENTSCHEL  Printed Name of Witness	Urs Pachale			
LD-516\2929547_1.docx				

PATENT REEL: 029343 FRAME: 0638

**RECORDED: 11/13/2012**