503168883 02/06/2015 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3215498

SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name		Execution Date	
LARS BURGDORF				01/05/2015	
DANIEL KUHN				01/04/2015	
TATJANA ROSS				01/12/2015	
CARL DEUTSCH				01/09/2015	
RECEIVING PARTY DA					
Name:	MERCH	K PATENT GMBH			
Street Address:	FRANK	FURTER STRASSE 250			
City:	DARMS	STADT			
State/Country:	GERMA	ΑΝΥ			
Postal Code:	64293				
PROPERTY NUMBERS	5 Total: 1				
Property Type		Number			
		Number 14420003			
Application Number:					
Application Number:					
Application Number: CORRESPONDENCE D Fax Number: Correspondence will b	DATA De sent to	14420003 (703)243-6410 • the e-mail address first; if that is			
Application Number: CORRESPONDENCE E Fax Number: Correspondence will b using a fax number, if	DATA De sent to provideo	(703)243-6410			
Application Number: CORRESPONDENCE E Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone:	DATA be sent to provideo	14420003 (703)243-6410 o the e-mail address first; if that is l; if that is unsuccessful, it will be			
Application Number: CORRESPONDENCE E Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email:	DATA De sent to provideo	14420003 (703)243-6410 5 the e-mail address first; if that is 1; if that is unsuccessful, it will be 703-243-6333	sent via US		
Application Number: CORRESPONDENCE E Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name:	DATA be sent to provideo	14420003 (703)243-6410 5 the e-mail address first; if that is 1; if that is unsuccessful, it will be 703-243-6333 mail@mwzb.com	sent via US		
Application Number: CORRESPONDENCE E Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1:	DATA De sent to provideo	14420003 (703)243-6410 5 the e-mail address first; if that is 1; if that is unsuccessful, it will be 703-243-6333 mail@mwzb.com MILLEN, WHITE, ZELANO & BRAM	sent via US		
Application Number: CORRESPONDENCE E Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	DATA be sent to provideo	14420003 (703)243-6410 b the e-mail address first; if that is i; if that is unsuccessful, it will be 703-243-6333 mail@mwzb.com MILLEN, WHITE, ZELANO & BRAN 2200 CLARENDON BLVD.	sent via US		
Application Number: CORRESPONDENCE D Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	DATA De sent to provideo	14420003 (703)243-6410 5 the e-mail address first; if that is 7 that is unsuccessful, it will be 703-243-6333 mail@mwzb.com MILLEN, WHITE, ZELANO & BRAN 2200 CLARENDON BLVD. SUITE 1400	sent via US		
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET N	DATA De sent to provideo	14420003 (703)243-6410 b the e-mail address first; if that is i; if that is unsuccessful, it will be 703-243-6333 mail@mwzb.com MILLEN, WHITE, ZELANO & BRAN 2200 CLARENDON BLVD. SUITE 1400 ARLINGTON, VIRGINIA 22201	sent via US		
Application Number: CORRESPONDENCE D Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NUME NAME OF SUBMITTER:	DATA De sent to provideo	14420003 (703)243-6410 b the e-mail address first; if that is i; if that is unsuccessful, it will be 703-243-6333 mail@mwzb.com MILLEN, WHITE, ZELANO & BRAN 2200 CLARENDON BLVD. SUITE 1400 ARLINGTON, VIRGINIA 22201 MERCK-4274	sent via US		
Application Number: CORRESPONDENCE D Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	DATA De sent to provideo	14420003 (703)243-6410 o the e-mail address first; if that is i; if that is unsuccessful, it will be 703-243-6333 mail@mwzb.com MILLEN, WHITE, ZELANO & BRAN 2200 CLARENDON BLVD. SUITE 1400 ARLINGTON, VIRGINIA 22201 MERCK-4274 AUBREY M. BROOKS	sent via US		
Application Number: CORRESPONDENCE D Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NUME NAME OF SUBMITTER: SIGNATURE:	DATA De sent to provideo	14420003 (703)243-6410 b the e-mail address first; if that is i; if that is unsuccessful, it will be 703-243-6333 mail@mwzb.com MILLEN, WHITE, ZELANO & BRAN 2200 CLARENDON BLVD. SUITE 1400 ARLINGTON, VIRGINIA 22201 MERCK-4274 AUBREY M. BROOKS /Aubrey M. Brooks/	sent via US	Mail.	

source=BURGDORF#page1.tif source=KUHN#page1.tif source=ROSS#page1.tif source=DEUTSCH#page1.tif

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	Pyridopyrimidine derivatives as protein kinase inhibitors			
As the below nan	ned inventor, I hereby declare that:			
This declaration	The attached application, or			
	United States Application or PCT International Application number PCI/EP2013/002032 filed on			
is directed to:	tx <u>10 July 2013</u>			
The above-identi	fied application was made or authorized to be made by me.			
	a the original inventor or an original joint inventor of a claimed invention in the application.			
AND WHEREAS				
hereinafter referr all natent(s) lister	Merck Patent GmbH Prankfurter Strasse 250 <u>64293 Darmstadt / DE</u> ed to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and 1 above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, f all renewals, reissues, reexaminations and extensions thereof.			
ASSIGNOR here right, title and int and all Letters Pa thereof, and in at to accrue with re- invention, SAID including any an- which may be gr right to sue for d arising from or a renewals, reissue representatives.	WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, by assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive terest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any tent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions of to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or spect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, d all earlier priority rights (U.S. and foreign),divisions and continuations thereof, any and all Letters Patent anted therefor, including any and all renewals, reissues, reexaminations thereof, including the amages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise ppertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all s, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal n as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and s, if the assignment had not been made.			
and foreign cour	ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States aries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to r papers that may be needed in connection with securing Letters Patents thereon.			
AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.				
The ur assignment infor properly record t	idersigned hereby grant(s) the law firm of Millen. White, Zelano & Branigan, P.C. the power to insert on this mation which may be necessary or desirable in order for the United States Patent and Trademark Office to his document.			
	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR			
I heret fine or imprison	by acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by ment of not more than five (5) years, or both.			
LEGAL NAME	OF INVENTOR 57 215			
Inventor	Lars BURGDORF Date: 5 Jan 2015			
Signature:	Los Bydf			
L	Millen, White, Zelano & Branigan, P.C. Attorneys at Law Arlington Courthouse Plaza			

2200 CLARENDON BOULEVARD | SUITE 1400 | ARLINGTON VA 22201 TELEPHONE: 703.243.6333 | FAX: 703.243.6410 Email : Mail@mwzb.com

Effective, September 16, 2012

9121143

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	Pyridopyrimidine derivatives as protein kinase inhibitors		
As the below nat	ied inventor, I hereby declare that:		
This declaration	La contra de		
is directed to:	United States Application or PCT International Application number PCT/EP2013/002032 filed on 10 July 2013		
The above-identi	fied application was made or authorized to be made by me.		
I believe that I ar	n the original inventor or an original joint inventor of a claimed invention in the application.		
all nation fe's lister	S Merck Patent GmbH Frankfurter Strasse 250 64293 Darmstadt / DE ed to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and d above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, d all renewals, reissues, reexaminations and extensions thereof.		
ASSIGNOR herr right, title and in and all Letters Pi- thereof, and in an to accrue with re invention, SAID including any an which may be gr right to sue for d arising from or a renewals, reissue	WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, eby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive terest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any atent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions ad to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or spect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, d all earlier priority rights (U.S. and foreign),divisions and continuations thereof, any and all Letters Patent anted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the amages occurring before the assignment, with all the rights, powers, privileges and advantages in any wise appertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all re, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and e, if the assignment had not been made.		
and foreign com execute any othe	ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States ntries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to er papers that may be needed in connection with securing Letters Patents thereon.		
AND any and all divis	ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on ions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.		
The u assignment info properly record	ndersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this rmation which may be necessary or desirable in order for the United States Patent and Trademark Office to this document.		
	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.			
LEGAL NAME	Daniel KUHN Date: 4 January 2015		
Signature:	Nun U.S.		
angunare.			
	Millen, White, Zeland & Branigan, P.C. Appendix at Law		

ARLINGTON COURTHOUSE PLAZA ARLINGTON COURTHOUSE PLAZA 2200 CLARENDON BOULEVARD | SUITE 1400 | ARLINGTON VA 22201 TELEPHONE: 703.243.6333 | PAX: 703.243.6410 EMAIL: MAIL@MWZB.COM

Effective, September 16, 2012

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of	Pyridopyrimidine derivatives as protein kinase inhibitors				
Invention					
As the below nan	ned inventor, I hereby declare that:				
This declaration	The attached application, or				
tan ni tan a	/ United States Application or PCT International Application number PCT/EP2013/002032 filed on				
is directed to:	10. July 2013				
The above-identi	fied application was made or authorized to be made by me.				
I believe that I ar	n the original inventor or an original joint inventor of a claimed invention in the application.				
AND WHEREAS					
	Merck Patent GmbH				
	Frankfurter Strasse 250 64293 Darmstadt / DE				
hereinafter referr	ed to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and				
all patent(s) liste	d above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof,				
including any an	d all renewals, reissues, reexaminations and extensions thereof.				
NOW.	WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged,				
ASSIGNOR here	ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive				
right, title and in	terest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any atent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions				
thereof, and in at	at to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or				
to accrue with re	spect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said				
invention, SAID	ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, d all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent				
metadang any an which may be or	a attearner phorny rights (1.5, and inreign), arvisions and continuations dereon, any and all refers ratem anted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the				
right to sue for d	amages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise				
arising from or a	ppertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all				
renewals, reissue	renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and				
enjoyed the same	e, if the assignment had not been made.				
AND 3	ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States				
	tries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to				
execute any othe	r papers that may be needed in connection with securing Letters Patents thereon.				
AND .	ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on				
any and all divis	ions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.				
The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to					
properly record t					
	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR				
	by acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by				
fine or imprison	ment of not more than five (5) years, or both.				
T DELAT NASAF	OF INVENTOR				
	Tatjana ROSS Date: 12.01.2015				
	The start of Charger				
Signature:	<u></u>				
L	/				
	MILLEN, WHITE, ZELANO & BRANKGAN, P.C.				

ATTORNEYS AT LAW ATTORNEYS AT LAW ARLINGTON COURTHOUSE PLAZA 2200 CLARENDON BOCLEVARD | SUITE 1400 | ARLINGTON VA 22201 TELEPHONE: 703.243.6333 | FAX: 703.243.6410 EMAIL: MAIL@MWZB.COM

Effective, September 36, 2012

PATENT REEL: 034905 FRAME: 0387

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	Pyridopyrimidine derivatives as protein kinase inhibitors				
As the below nan	ned inventor, I hereby declare that:				
This declaration	The anached application, or				
is directed to:	United States Application or PCT International Application number <u>PCT/EP2013/002032</u> filed on <u>10 July 2013</u>				
The above-identi	fied application was made or authorized to be made by me.				
I believe that I an	n the original inventor or an original joint inventor of a claimed invention in the application.				
AND WHEREAS					
Merck Patent GmbH Frankfurter Strasse 250 64293 Darmstadt / DE hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and all patent(s) listed above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, including any and all renewals, reissues, reexaminations and extensions thereof.					
ASSIGNOR here right, title and int and all Letters Pa thereof, and in ar to accrue with re- invention, SAID including any ani which may be gr- right to sue for d arising from or a renewals, reissue	WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, sby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive terest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any itent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions of to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or spect to the filling or securing of patents in the United States and/or any countries foreign thereto concerning said ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, d all earlier priority rights (U.S. and foreign), divisions and continuations and extensions thereof, including the anted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the amages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise ppertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all is, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal n as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and b, if the assignment had not been made.				
AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with securing Letters Patents thereon.					
AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.					
The undersigned hereby grant(s) the law firm of Millen. White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.					
	IN TESTIMONY WHERFOF this assignment is executed by ASSIGNOR				
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.					
LEGAL NAME Inventor:	OF INVENTOR Carl DEUTSCH Date: 9.1.75				
Signature:	<u>O.V.A</u>				

MILLEN, WIBTE, ZELANO & BRANIGAN, P.C. ATTORNEYS AT LAW ARLINGTON COURTHOUSE PLAZS 2200 CLARENDON BOULEVARD | SUITE 1400 | ARLINGTON VA 22201 TELEPHONE: 703.243.6333 | FAX: 703.243.6410 EMAIL: MAIL:@MWZB.COM

Effective, September 15, 2012

PATENT REEL: 034905 FRAME: 0388

RECORDED: 02/06/2015

......