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Alexandi	ria, VA 22313-1450		A	ttorney Docket No.	<u>156909</u>			
Picase rec	ord the attached document.							
Total num	nbor of pages including cover she	et, attachments, and docume	ent: <u>5</u>					
1. A.	Name of conveying parties:		2. A. Name e	nd address of receiving	ing party:			
	 Ayoub MASSOUDI Simon DOLLE Alexandre WINTER Frederic JAHARD Pierre MOULON Christian WENGER 		132 F F-750 FRA	nal name(s) & addre	DLI			
₿.	Additional name(s) of conveying	g party(ies) attached? □ Yes ⊠ No						
3. A.	Nature of conveyance:							
⊠	Assignment	Merger						
	Security Agreement	Change of Name						
	Other							
	Execution Date: 1) June 25 b) April 30, 2013; 5) Ma May 5, 2013							
4. A.	Patent Application No. 13/808	334	B. Patent	No.(a)				
C.	Title of Application: METH	Additional numbers attac	IS FOR OBTAIN	ing <u>a symme</u>	TRY INVARIANT			
		RIPTOR FROM A VIS	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		l patents involved: 1			
5. Nan	ne and address of party to whom corning document should be mail	correspondence ed:			**			
	ıme: <u>R. Brian Drozd</u> idress: Ol.IFF & BERRIDGE P.O. Box 32085		7. Please of total fee	hargo Deposit A (37 CFR 3.41) in	the amount of \$40.00.			
-	Alexandria, VA 223: Phone Number: 703-8 Fax Number: 703-83 Email: email@olifi	20-4850 136-6400 16-2787	8. Credit any o deposit acco	verpayment or char ount number 15-046	ge any underpayment to			
To orig	tement and signature. the best of my knowledge and bel ginal document. Brian Drozd, Registration No. 55	ml)	on is true and correc	t and any attached a				

REEL: 030803 FRAME: 0431

	loseri	(1)	Ayoub MASSOUDI	(2)	Simon DOLLE
(1-8)	Legal Name(s)	(3)	Alexandre WINTER	(4)	Frederic JAHARD
(1-0)	of Inventor(s)	(5)	Pierre MOULON	(6)	Christian WENGERT
	φ	(7)	***************************************	(8)	
•		in cons	ideration of the sum of one di icraigned, the receipt and suff and hereby does assign, Iran	liciency of which are	ter good and valuable consideration paid to each of the bardby acknowledged, each undersigned agrees to
(9)	Inacrt Name of Assignee	(9)	LTU Technologies		A
(10)	Insert Address of Assigned	(10)	132 rue de Rivoli F-75001 Paris France		
an ·	Insert Identification	invent	ion, and in all applications for yation, international, subsitu examination certificates ittat s	r patent including an le and reissus applie may be granted on It	America as defined in 35 U.S.C. §100, in the y and all provisional, non-provisional, divisional, ation(s), and all Latters Palent, extensions, reissuaste invention known as
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	Identification for filed applications	fited	March 14, 2013		
dealass	tte separate assignments in the 2). Each undersigned agreed according any application	es to exec or patent erence or l	with such applications and life all papers necessary in con- lifer the invention and to con-	onnection with any operate with the Ass	rignee in every way possible in obtaining evidence act which may be necessary in connection with

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reisaue or reexamination a grant of a valid United States patent to the Assignce.

5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to Issue any and all patents from said application(s) to the said Assignce, as Assignce of the entire interest, and covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

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

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Date	June 25th 2013	Inventor Signature	MASSOODI AYOU	•
Date		Inventor Signature		(SEAL)
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Date		Inventor Signature		•
Pate		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL

	jnseri	(1)	Ayoub MASSOUDI	(2)	Simon DOLLE
(1-8)	Legal Name(s)	(3)	Alexandre WINTER	. (4)	Frederic JAHARD
	of Inventor(*)	(5)	Plene MOULON		6)	Christian WENGERT
		(7)			8)	
		the unc	sideration of the sum of one lersigned, the receipt and st and hereby does assign, its	ulliciancy of which	ere i	r good and valuable consideration paid to each of hereby acknowledged, each undersigned agrees to
(9)	Insert Name of Assignee	(9)	LTU Technologies	W44Pm		
(10)	Insert Address of Assigner	(10)	132 ruo de Rivoli F-75001 Paris France			
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	Number, or Foreign		DESCRIPTOR FROM A	VISUAL PATCH		
	Application Number	(Attor	ncy Docket No. 15690	9).	filed on even date herewith or as
(12)	Alternative Identification for	(12)	U.S. Application Number	13/808,334		
	flied applications	baiñ	March 14, 2013		_	

i) Each undersigned agrees to execute all papers necessary in connection with any application and/or patent for the invention and also to account assignments in connection with such applications and patents as the Assignee may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning any application or patent for the invention and to cooperate with the Assignee in every way possible in obtaining evidence

declared concerning any application or patent for the invention and to cooperate with the Assignee in every way pussion in obtaining or the and going forward with such interference or post-grant proceeding:

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

Date		Inventor Signature		(SEAL)
Date	30/04/2013	Inventor Signature	50M (Simon Soles)	(SEAL)
Date	<u> </u>	Inventor Signature		(SEAL)
Date	30/04/2013	Inventor Signature	+redenciala	ASPAL)
Date	02/05/2013	Inventor Signature	Tert hand	(ASEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		. (SEAL)
Date		Inventor Signature		(SEAL)

	Insert	(1)	Ayoub MASSOUDI		•	21mon DOLLE
(1-8)	Legal Name(s)	(3)	Alexandre WINTER	(4)	Frederic JAHARD
	of Inventor(s)	(5)	Pierre MOULON	. (6	i)	Christian WENGERT
		(7)		(8	()	
		the un	sideration of the sum of one of dessigned, the receipt and sui , and hereby does assign, tran	Miclency of which a	re h	r good and valuable consideration paid to each of eachy acknowledged, each undersigned ogrees to
(9)	Insert Name of Assignee	(9)	LTU Technologies			
(10)	Insert Address of Assignee	(10)	132 rue de Rivoli F-75001 Paris France			
		the on invent contin	tire right, title and interest for ion, and in all applications fo	r the United States of patent including a steel reissue appli	ny : cali	tirs, successors, assigns and legal representatives, merica as defined in 35 U.S.C. § 100, in the and all provisional, non-provisional, divisional, ion(s), and all Letters Patent, extensions, reissues invention known as
(11)	Insert Identification such as Title, Case	(11)	METHOD AND APPARA	ATUS FOR OBTAI	NI)	NG A SYMMETRY INVARIANT
	Number, or Foreign		DESCRIPTOR FROM A	VISUAL PATCH C		
	Application Number	(Atto	ney Docket No. 156909), 1	illed on even date herewith or as
(12)	Alternative	(12)	U.S. Application Number	13/808,334		
	Identification for Aled applications	Ned	March 14, 2013			
	I) Each undersigned agra	es to exec	ute all papers necessary in c	onnection with any	ap	plication and/or patent for the invention and also

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

Date	<u> </u>	Inventor Signature	(SEAL)	
Date	30/04/2013	laventor SignatureSp		
Date	5.5. 2013	Inventor Signature	2 = Chartopay	Wengert)
Date	50/04/2013	Inventor Signature	- (Firdlive Jahora)	
Date		Inventor Signature	(SEAL)	
Date		Inventor Signature	(SEAL)	
Date		Inventor Signature	(SEAL)	
Date		Inventor Signature	(SEAL)	

PATENT REEL: 030803 FRAME: 0434

Cimer DOLLE

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(1-5)	Legal Name(s)	(3)	Alexandre WINTER	(4	1)	Frederic JAHARD
	of laventor(9)	(5)	Plene MOULON	(6	5)	Christian WENGERT
		(7)		(1	3)	
		the un	sideration of the sum of one dersigned, the receipt and su and hereby does assign, tra	Miclency of which a	re h	r good and valuable consideration paid to each of acreby acknowledged, each undersigned agrees to
(9)	Insert Name of Assigned	(9)	LTU Technologies			1)
(10)	Insert Address of Assignee	(10)	132 rue de Rívol/ F-75001 Paris France			
		the ent invent contin	fire right, title and interest fo ion, and in all applications (:	r the United States (or patent including a ute and reissue appli	of A iny icati	cirs, successors, assigns and legal representatives, merica as defined in 35 U.S.C. § 100, in the and all provisional, non-provisional, divisional, lon(s), and all Leners Patent, extensions, reissues invention known as
(1 I)	insert Identification such as Title, Case	(11)	METHOD AND APPAR	ATUS FOR OBTAI	וואו	NG A SYMMETRY INVARIANT
	Number, or Foreign		DESCRIPTOR FROM A	VISUAL PATCH		
	Application Number	(Alto	nay Docket No. 156909), (filed an even date heroivith or as
(12)	Alternative	(12)	U.S. Application Number	13/808,334		
	Identification for					
	filed applications	filed	March 14, 2013	1,000		
	1) Each understaned agre	ees to exac	ute all papers necessary in	connection with any	7 AD	plication and/or patent for the invention and also

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recordation of this document,

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

Date		Inventor Signature		AL)
Date	30101, 12013	Inventor Signature	7/	
Date	30/04/2013	Inventor Signature		. '
Date	30/04/2013	Inventor Signature	(Frederic Takes	M)
Date		Inventor Signature	(SE	AL)
Date		Inventor Signature	(SE	AL)
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PATENT REEL: 030803 FRAME: 0435