

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3132540

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	THALES	02/17/2014
RECEIVING PARTY DATA		
Name:	THOMSON LICENSING (S.A.S.)	
Street Address:	1-5 RUE JEANNE D'ARC	
City:	ISSY LES MOULINEAUX	
State/Country:	FRANCE	
Postal Code:	92130	
PROPERTY NUMBERS Total: 2		
Property Type	Number	
Application Number:	12096470	
Application Number:	14496498	
CORRESPONDENCE DATA		
Fax Number:	(703)413-2220	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	(703) 413-3000	
Email:	kHUDSON@OBLON.COM	
Correspondent Name:	OBLON, SPIVAK, ET AL.	
Address Line 1:	1940 DUKE STREET	
Address Line 4:	ALEXANDRIA, VIRGINIA 22314	
ATTORNEY DOCKET NUMBER:	442072US41CONT	
NAME OF SUBMITTER:	KAREN L. HUDSON	
SIGNATURE:	/Karen L. Hudson/	
DATE SIGNED:	12/04/2014	
Total Attachments: 13 source=442072 ASN#page1.tif source=442072 ASN#page2.tif source=442072 ASN#page3.tif source=442072 ASN#page4.tif source=442072 ASN#page5.tif source=442072 ASN#page6.tif		

PATENT

source=442072 ASN#page7.tif
source=442072 ASN#page8.tif
source=442072 ASN#page9.tif
source=442072 ASN#page10.tif
source=442072 ASN#page11.tif
source=442072 ASN#page12.tif
source=442072 ASN#page13.tif

Exhibit IV

("short form" Confirmatory Patent Assignment Agreement)

**Confirmatory Patent
Assignment Agreement**

Between:

THOMSON Licensing (S.A.S.), a company duly organized and existing under the laws of France, having offices at 1-5 rue Jeanne d'Arc, 92130 Issy les Moulineaux, France, with a share capital of 42,000,000 Euros, registered at the trade register of Nanterre under number 383 461 191, duly represented by Boris Teksler, acting in his capacity of President,

Hereinafter referred to as "Assignee",

and:

THALES a company duly organized and existing under the laws of France, and having offices at 45 rue de Villiers 92200 Neuilly-sur-Seine, with a share capital of 607 019 022 euros, registered at the trade register of Nanterre under number 552 059 024 duly represented by the signatory identified on the execution page

Hereinafter referred to as "Assignor",

Hereinafter called, separately or collectively, "Party(ies)";

WHEREAS Assignor was the owner of certain patents and/or patents applications (hereinafter referred to as the "Patent Assets"), as more fully set forth below hereafter and as attached in **Exhibit I** to the present Confirmatory Patent Assignment Agreement (hereinafter referred to as the "Agreement");

WHEREAS pursuant to an agreement between the Parties (ref: MdB13C048L), all of ASSIGNOR's rights, title, and interest in and to the Patent Assets listed on Exhibit I have been assigned to Assignee and the Parties wish to confirm such assignment before the Patent Office by the present Agreement;

NOW THEREFORE, for and in consideration of the mutual covenants hereinafter contained, Assignor and Assignee have agreed as follows:

RR

1

BT

Article 1

- 1.1 Subject to the terms and conditions of this Agreement, Assignor hereby confirms it has assigned and transferred to Assignee all its right, title and interest throughout the world in and to the Patent Assets which are listed on the Exhibit I to the present Agreement (including without limitation the granted patents and pending patent applications as set forth in Exhibit I in any countries where such patents and patent applications have been filed or granted, and any and all past, present and future, divisional, renewal, continuation in whole or in part, domestic and foreign patent applications and registrations therefore (and all patents that issue therefrom and all divisionals, continuations, continuations-in-part, re-examinations, substitutions, reissues, extensions, and renewals of such applications, registrations and patents, and the right to apply for any of the foregoing, all pending applications and to all foreign counterparts) and the right to claim the priority from the Patent Assets and applications as provided by the Paris Convention of 1883 and any and all other rights and interests arising out of, in connection with or in relation to the Patent Assets, and to sue for past, current and future infringement and to collect royalties or damages for past and future infringement.
- 1.2 Assignee hereby confirms that it has accepted such transfer and assignment of the Patent Asset. In consequence, Assignee shall have all right, title and interest in and to the Patent Assets, including without limitation the right to exploit, use, assign, license, dispose of the foregoing Patent Assets, and to sue for past, current and future infringement and to collect royalties or damages for past and future infringement.

Article 2

Assignor confirms Assignee has the right to institute, continue or defend, any suit or action dealing with the foregoing Patent Assets.

To such effect, Assignee has been subrogated to all Assignor's rights and actions, in substitution for those of Assignor, both with respect to claims and defenses.

Article 3

The foregoing assignment was concluded for valuable consideration accepted and paid by the Parties.

Article 4

The present Agreement has come into force on February 3, 2014.

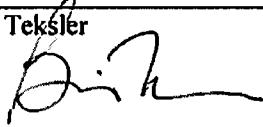
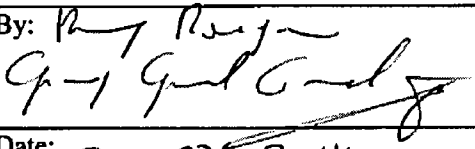
Article 5

The present Agreement shall be governed by the Laws of France, without giving effect to its conflicts of laws principles.

2

In case of disagreement concerning the existence, interpretation and/or the execution of the present Agreement, the "Tribunal de Grande Instance" of Paris, France, shall be exclusively competent.

IN WITNESS WHEREOF, each of the Parties hereto has caused the present Agreement to be executed in three (3) original copies, one (1) for each part, by its duly authorized officer or representative, and one (1) for the appropriate patent office.

Thomson Licensing (S.A.S.)	Thales
By: Boris Tekler President 	By:  Guy Raymond
Date: 2-17-14	Date: 2-17-2014

RR

BT

3

Exhibit I**List of Patent Assets**

Famille	Ref MCF	Titre	Inventeurs	Pays	Statut	Dépôt Date	Dépôt N°	Délivrance date	Délivrance N°	Propriétaire	Droits de Tiers Licence	Détail
66492	066492 FR	AFFICHEUR A MATRICE ACTIVE A STRUCTURE INTEGREE DE REPARATION DE LIGNES OUVERTES	Thierry KRETZ; Hugues LEBRUN	FR	Délivré	19/02/10	1000701	06/07/12	1000701	THALES		
	066492 WO			QT	Engagé	10/02/11	PCT/EP2011/051986					
	066492 WO EP			EP	En cours	10/02/11	11702478.6					
	066492 WO JP			JP	En cours	10/02/11	2012-553268					
	066492 WO US			US	En cours	10/02/11	13/580109					
63431	063431 TW	AFFICHEUR MATRICIEL	Hugues LEBRUN	TW	En cours	13/07/05	094123777			THALES		
	063431 WO EP DE			DE	Délivré	12/07/05	05766816.2	03/10/07	602005002754.8			
	063431 WO EP FR			FR	Délivré	12/07/05	05766816.2	03/10/07	1774505			
	063431 WO EP GB			GB	Délivré	12/07/05	05766816.2	03/10/07	1774505			
	063431 WO JP			JP	En cours	12/07/05	2007-520828					
	063431 WO KR			KR	Délivré	12/07/05	2007-7002868	31/05/12	1153753			
	063431 WO US			US	Délivré	12/07/05	11/632292	27/03/12	8144101			

4

Handwritten signature/initials

MD813C048L

63681	063681 FR	AFFICHEUR MATRICIEL A AFFICHAGE SEQUENTIEL DES COULEURS ET PROCEDE D'ADRESSAGE	Hugues LEBRUN; Thierry KRETZ	FR	Délivré	12/08/05	0508543	21/09/07	0508543	THALES		
	063681 TW 063681 WO EP 063681 WO KR 063691 FR			TW EP KR FR	En cours En cours Délivré Délivré	11/08/06 09/08/06 09/08/06 09/09/05	95129664 06792758.2 2008-7003457 0509224	03/06/13 02/11/07	1273150 0509224	THALES		
63691	063691 TW 063691 WO EP 063691 WO JP 063691 WO KR 063691 WO US	AFFICHEUR MATRICIEL A CRISTAUX LIQUIDES DU TYPE A MATRICE ACTIVE	Thierry KRETZ	TW EP JP KR US	En cours En cours En cours Délivré Délivré	08/09/06 07/09/06 07/09/06 07/09/06 07/09/06	95133300 06793325.9 2008-529634 2008-7005703 12/066327	13/05/13 20/09/11	1265930 8023053	THALES		
63787	063787 FR 063787 TW 063787 WO EP 063787 WO JP 063787 WO KR	AFFICHEUR MATRICIEL SEQUENTIEL COULEUR A CRISTAUX LIQUIDES	Hugues LEBRUN; Thierry KRETZ	FR TW EP JP KR	Délivré En cours En cours En cours En cours	07/12/05 07/12/06 06/12/06 06/12/06 06/12/06	0512412 95145702 06830414.6 2008-543824 2008-7013749	06/06/08	0512412	THALES		

MdB13CQ48L

66352	063787 WO US			US	En cours	06/12/06	12/096470						
	066352 FR	AFFICHEUR OILED A COMMANDE PASSIVE ET PROCEDE DE FABRICATION	Hugues LEBRIUN; Thierry KRETZ	FR	En cours	15/12/09	0906062		THALES				
62860	062860 FR	BOITE A LUMIERE A HAUTE LUMINANCE POUR VISUALISATIONS	Jean-Louis LESCOURRET; Serge EDIAR; Thomas ESPAIGNET	FR	Délivré	20/08/02	0210414	08/04/05	THALES	0210414	02/07/04	ETAT	
64964	064964 FR	CIRCUIT DE COMMANDE DES LIGNES D'UN ECRAN PLAT A MATRICE ACTIVE	Thierry KRETZ; Gérard VOISIN	FR	Délivré	07/09/07	0706281	09/04/10	THALES	0706281			
	064964 WO EP 064964 WO JP 064964 WO KR 064964 WO US			EP JP KR US	En cours En cours En cours Délivré	08/09/08 08/09/08 08/09/08 08/09/08	08803834.4 2010-523527 2010-7005038 12/676898	13/08/13		8508457			
66073	066073 FR	COMPOSANT OPTIQUE TRANSPARENT A MICROCUCVES	Umberto ROSSINI	FR	Délivré	24/07/09	0903658	25/11/11	THALES	0903658			

AL⁶ BC

MDBI3C048L

64959	064959 FR	DISPOSITIF A ECRAN PLAT COMPORTANT UN BOITIER DE PROTECTION TRANSPARENT	STEPHANE POVEDA; Laurent LALUQUE; Daniel LARET	FR	Déjà	31/08/07	0706128	23/04/10	0706128	THALES		
	064959 WO US			US	Déjà	26/08/08	12/675534	11/06/13	8462290			
64966	064966 FR	DISPOSITIF DE VISUALISATION COMPORTANT UN ECRAN A CRISTAUX LIQUIDES A AFFICHAGE SECURISE	Philippe AIRAULT; Laurent CANAL; Gérard VOISIN	FR	Déjà	07/09/07	0706283	27/07/12	0706283	THALES		
	064966 WO CA 064966 WO JP 064966 WO US			CA JP US	En cours En cours En cours	25/08/08 25/08/08 25/08/08	2698633 2010-523472 12/676901					
65051	065051 FR	DISPOSITIF DE VISUALISATION COMPORTANT UN MOYEN ELECTRONIQUE DE GEL DE L'AFFICHAGE	Yves SONTAG; Philippe CHABOT	FR	Déjà	26/10/07	0707558	11/06/10	0707558	THALES		
	065051 WO US			US	En cours	23/10/08	12/739739					

7
BT

MdB13C048L

62485	062485 WO US	DISPOSITIF OPTIQUE NOTAMMENT IMAGEUR A CRISTAUX LIQUIDES ET MIROIR ASSOCIE	BERNARD CUEFF; CHRISTOPHE LABILLE; Serge EDJAR	US	Délivré	04/06/02	10/480 158	25/10/05	6 958 789	THALES		
	062485 FR		CHRISTOPHE LABILLE; BERNARD CUEFF; Serge EDJAR	FR	Délivré	22/06/01	01 08281	05/09/03	01 08281			
65056	065056 FR	Ecran à cristal liquide	Thierry KRETZ; Bernard MEUNIER	FR	Délivré	31/10/07	0707675	21/05/10	0707675	THALES		
	065056 WO EP			EP	En cours	31/10/08	08844372.6					
	065056 WO US			US	Délivré	31/10/08	12/739935	16/10/12	8289469			
63962	063962 FR	ECRAN ELECTROLUMINESC ENT ORGANIQUE	Thierry KRETZ; Hughes LEBRUN; Elisabeth CHUITON	FR	Délivré	28/04/06	0603863	31/10/08	0603863	THALES		
	063962 TW			TW	En cours	30/04/07	096115388					
	063962 WO EP			EP	En cours	27/04/07	07728603.7					
	063962 WO JP #1			JP	En cours	27/04/07	2012-185434					
	063962 WO KR			KR	En cours	27/04/07	2008-7026390					
	063962 WO US			US	En cours	27/04/07	12/298140					

8
BT

MdB13C048L

64282	064282 EP DE	MATRICE ACTIVE D'UN ECRAN ELECTROLUMINESC ENT ORGANIQUE	Thierry KRETZ; Hugues LEBRUN; Elisabeth CHUITON	DE	Dé livré	14/03/08	08102599.1	24/04/13	602008024D04.5	THALES	
	064282 EP FR			FR	Dé livré	14/03/08	08102599.1	24/04/13	1970961		
	064282 EP GB			GB	Dé livré	14/03/08	08102599.1	24/04/13	1970961		
	064282 FR			FR	Dé livré	16/03/07	0701929	17/04/09	0701929		
	064282 JP			JP	En cours	14/03/08	2008-066103				
	064282 KR			KR	En cours	17/03/08	2008-24652				
	064282 US			US	Dé livré	17/03/08	12/049747	18/10/11	8040299		
63578	063578 FR	OSCILLATEUR DE ROYER A ELECTRONIQUE DE DECHARGE	Guy SCHOU; Frédéric RENAUD	FR	Dé livré	01/03/05	0502064	10/08/07	0502064	THALES	
	063578 WO US			US	Dé livré	27/02/06	11/817784	22/02/11	7893630		
63774	063774 FR	PROCEDE D'ADRESSAGE AMELIORE POUR UN AFFICHEUR MATRICIEL A CRISTAUX LIQUIDES	Hugues LEBRUN; Thierry KRETZ	FR	Dé livré	07/12/05	0512411	18/07/08	0512411	THALES	
	063774 TW			TW	En cours	07/12/06	95145703				
	063774 WO EP			EP	En cours	06/12/06	06830398.1				
	063774 WO JP			JP	Dé livré	06/12/06	2008-543822	20/01/12	4906871		
	063774 WO KR			KR	En cours	06/12/06	2008-7013730				
	063774 WO US			US	Dé livré	06/12/06	12/096381	06/09/11	8013825		

MBI3C048L

64279	064279 FR	PROCEDE D'ADRESSAGE D'UN AFFICHEUR A CRISTAUX LIQUIDES EN MODE SEQUENTIEL COULEUR	Maxime VAILLANT; Patrick ROCCA; Hugues LEBRUN	FR	Délivré	22/12/06	06 11257	17/04/09	0611257	THALES		
	064279 WO EP 064279 WO US			EP US	En cours Délivré	20/12/07 20/12/07	07857922.4 12/520621	06/11/12	8305317			
65673	065673 FR	PROCEDE D'AFFICHAGE ET DISPOSITIF DE VISUALISATION PERMETTANT DE SECURISER L'ECRAN CONTRE LE GEL D'IMAGE	Philippe PRADERE; Philippe PONSARD; Jean-René VERBEQUE; Gérard VOISIN	FR	Délivré	21/11/08	0806556	24/12/10	0806556	THALES		
66096	066096 CA 066096 EP 066096 FR 066096 US	PROCEDE DE CONSTRUCTION D'IMAGES POUR UN APPAREIL D'IMAGERIE	Frédéric LIONTI	CA EP FR US	En cours En cours Délivré En cours	29/07/10 26/07/10 31/07/09 28/07/10	2711055 10170787.5 0903798 12/845610	 19/08/11	 0903798	THALES		

Handwritten signature and initials

MdBI3C048L

62977	062977 WO EP DE	PROCEDE DE FABRICATION DE CELLULES A CRISTAUX LIQUIDES SUR SUBSTRAT SILICUM, ET CELLULES CORRESPONDANTES	Hugues LEBRUN; SAVERIO ARFUSO; Jean-Claude LEHUREAU	DE	Dé livré	04/12/03	03799537.0	26/04/06	60304902.8	THALES		
	062977 WO EP FR			FR	Dé livré	04/12/03	03799537.0	26/04/06	1573388			
	062977 WO EP NL			NL	Dé livré	04/12/03	03799537.0	26/04/06	1573388			
62846	062846 FR	PROCEDE DE FABRICATION D'UNE MATRICE ACTIVE DISPOSITIFS DE VISUALISATION ELECTRO-OPTIQUES ET MASQUE CORRESPONDANT	Didier SALUEL; Jean-Charles TERRIEN; Hugues LEBRUN	FR	Dé livré	06/08/02	0209998	24/09/04	0209998	THALES		
	062846 US			US	Dé livré	06/08/03	10/634 792	13/03/07	7189496			
	062846 EP			EP	Dé livré	11/07/03	03102130.6	21/08/13	1391920			
	062846 EP DE			DE	Dé livré	11/07/03	03102130.6	21/08/13	60344773.2			
	062846 EP FR			FR	Dé livré	11/07/03	03102130.6	21/08/13	1391920			
	062846 EP GB			GB	Dé livré	11/07/03	03102130.6	21/08/13	1391920			

11

MdB13C048L

61556	061556 FR	PROCEDE DE REALISATION DE TRANSISTORS CMOS ET DISPOSITIFS ASSOCIES	FRANCOIS PLAIS; CARLO REITA; Odile HUET	FR	Délivré	18/12/98	98 16028	12/09/03	98 16028	THALES	20/09/02	CEA
	061556 WO KR 061556 WO US			KR US	Délivré Délivré	15/12/99 15/12/99	2000-7009131 09/601 350	22/05/07 30/09/03	722728 6 627 489		20/09/02 20/09/02	CEA CEA
67693	067693 EP	PROCEDE D'ENCAPSULATION D'UN DISPOSITIF ELECTRO-OPTIQUE	Thierry KRETZ; Bernard MEUNIER	EP	En cours	06/08/12	12179368.1			THALES		
	067693 FR 067693 US			FR US	Délivré En cours	30/09/11 21/08/12	1102966 13/591075	01/11/13	1102966			
64234	064234 FR	PROCEDE D'EVALUATION DE L'ANGLE DE PRE-TILT DANS UNE CELLULE A CRISTAUX LIQUIDES	Umberto ROSSINI	FR	Délivré	28/11/06	0610401	26/12/08	0610401	THALES		
	064234 WO EP 064234 WO US			EP US	En cours Délivré	20/11/07 20/11/07	07822738.6 12/516428	21/12/10	7855787			

12
12

MdB13C048L

65490	065490 FR	REGISTRE A DECALAGE A TRANSISTORS A EFFET DE CHAMP	Hugues LEBRUN; Thierry KRETZ; Chantal HORDEQUIN	FR	Déjà	08/08/08	0804537	17/08/12	0804537	THALES		
	065490 TW			TW	En cours	10/08/09	98126731					
	065490 WO EP			EP	En cours	04/08/09	09804560.2					
	065490 WO JP			JP	En cours	04/08/09	2011-521560					
	065490 WO KR			KR	En cours	04/08/09	2011-7003005					
	065490 WO US			US	En cours	04/08/09	13/057538					
65539	065539 FR	REGISTRE A DECALAGE A TRANSISTORS A EFFET DE CHAMP	Thierry KRETZ; Hugues LEBRUN; Chantal HORDEQUIN	FR	Déjà	16/09/08	0805071	23/03/12	0805071	THALES		
62934	062934 FR	STRUCTURE DE MATRICE ACTIVE POUR ECRAN DE VISUALISATION ET ECRAN COMPORTANT UNE TELLE MATRICE	Thierry KRETZ; Hugues LEBRUN	FR	Déjà	03/12/02	0215484	30/12/05	0215484	THALES		
	062934 WO EP			EP	En cours	02/12/03	03799527.1					
	062934 WO US			US	Déjà	02/12/03	10/537348	16/06/09	7548283			

13