

Customer No. 24498

PF080004

FORM PTO-1595  
9-21-95



07-08-2009

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office



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6.30.09

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To the Honorable Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): Julian Thevenard Dominique Lo Hine Tong Ali Louzir Corinne Nicolas Jean-Philippe Coupez Christian Person</p> <p>Additional name(s) of conveying party(ies) attached: Yes No X</p>	<p>2. Name and address of receiving party(ies): Name: THOMSON LICENSING</p> <p>Internal Address:</p> <p>Street Address: 46, Quai A. Le Gallo F-92100 Boulogne -Billancourt, France</p> <p>City: State: Zip:</p>
<p>3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name Other</p> <p>Execution Date: June 16, 2009, June 17, 2009, June 17, 2009, June 26, 2009, June 26, 2009 and June 26, 2009, respectively Yes No X</p>	

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is:

<p>A. Patent Application No.(s) 12/319,526 dated 01/08/2009</p> <p>Additional numbers attached? Yes No X</p>	<p>B. Patent No.(s)</p>
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<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: ROBERT D. SHEDD Internal Address: Thomson Licensing LLC</p> <p>Street Address: 2 Independence Way</p> <p>City: PRINCETON State: NEW JERSEY Zip :08543-5312</p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total Fee (37 CFR 3.41): \$40.00 Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: 07-0832</p>
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DO NOT USE THIS SPACE

9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

<p>Jeffrey M. Navon Name of Person Signing</p>	 Signature Reg. 32,711	<p>June 30, 2009 Date</p>
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Total number of pages including cover sheet, attachments, and document 10

OMB No. 0651-0011 (exp. 4/94)

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Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents  
Box Assignments  
Alexandria, VA. 22313

PATENT  
REEL: 022936 FRAME: 0631

**ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTER PATENT**

WHEREAS, Julian THEVENARD, Le Malivert, F-01290 LAIZ, France; Dominique LO HINE TONG, 49 rue Jeanne Couplan, F-35700 RENNES, France; Ali LOUZIR, 6 rue de la Godmondière, F-35000 RENNES, France; Corine NICOLAS, 6 allée Chene aux Dames, F-35520 LA CHAPELLE DES FOUGERETZ, France; Christian PERSON, 21 rue de la Paix, F-29290 SAINT RENAN, France; Jean-Philippe COUPEZ, 8 rue Ampère, F-29200 BREST, France; hereinafter referred (collectively) to as the assignor, have invented a certain improvement relating to

**IMPROVEMENT TO PLANAR ANTENNAS COMPRISING AT LEAST ONE RADIATING ELEMENT OF THE LONGITUDINAL RADIATION SLOT TYPE**

for which said assignor has caused an application for United States Letters Patent to be prepared,

- ( ) the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;
- (xx) said application having been filed in the United States Patent and Trademark Office on January 8, 2009 Serial Number 12/319,526

**AND WHEREAS**

THOMSON LICENSING  
46 quai Alphonse Le Gallo  
F-92100 Boulogne Billancourt  
FRANCE

hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the entire and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this \_\_\_\_\_ day of \_\_\_\_\_, 2009

WITNESSES:

ASSIGNOR:

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Name:  
Address:

Name: Julian THEVENARD

Signature: \_\_\_\_\_

Name:  
Address:

EXECUTED, this 16 day of June, 2009

WITNESSES:

ASSIGNOR:

Signature: 

Signature: 

Name: Vincent BERTHOUD  
Address: 48 rue de Paris  
35165 NOUVEAUX SAIGEV  
FRANCE

Name: Dominique LO HINE TONG

Signature: 

Name: Franck Thudor  
Address: 11 Rue Blaclame du Camp France  
35 000 RENNES

EXECUTED, this 17<sup>th</sup> day of June, 2009

WITNESSES:

ASSIGNOR:

Signature: 

Signature: 

Name: DENIS Bernard  
Address: La Davicais  
35470 Pléchatel

Name: Ali LOUZIR

Signature: 

Name: Jeanne Ludovic  
Address: 11, Square de Sclabot  
35200 Rennes

EXECUTED, this 17 day of JUNE, 2009

WITNESSES:

Signature: [Signature]

Name: Chaeline GUGUEN  
Address: 2 de cloa de l'Étable  
35 430 BOURGGAPE

Signature: [Signature]

Name: Patrick FONTAINE  
Address: 7, 19 Debatant  
35000 Rennes

ASSIGNOR:

Signature: [Signature]

Name: Corine NICOLAS

EXECUTED, this \_\_\_\_\_ day of \_\_\_\_\_, 2009

WITNESSES:

Signature: \_\_\_\_\_

Name:  
Address:

ASSIGNOR:

Signature: \_\_\_\_\_

Name: Christian PERSON

Signature: \_\_\_\_\_

Name:  
Address:

EXECUTED, this \_\_\_\_\_ day of \_\_\_\_\_, 2009

WITNESSES:

Signature: \_\_\_\_\_

Name:  
Address:

ASSIGNOR:

Signature: \_\_\_\_\_

Name: Jean-Philippe COUPEZ

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THOMSON LICENSING  
46 quai Alphonse Le Gallo  
F-92100 Boulogne Billancourt  
FRANCE

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EXECUTED, this \_\_\_\_\_ day of \_\_\_\_\_, 2009

WITNESSES:

ASSIGNOR:

Signature: \_\_\_\_\_.

Signature: \_\_\_\_\_.

Name:  
Address:

Name: Julian THEVENARD

Signature: \_\_\_\_\_.

Name:  
Address:

EXECUTED, this \_\_\_\_\_ day of \_\_\_\_\_, 2009

WITNESSES:

ASSIGNOR:

Signature: \_\_\_\_\_.

Signature: \_\_\_\_\_.

Name:  
Address:

Name: Dominique LO HINE TONG

Signature: \_\_\_\_\_.

Name:  
Address:

EXECUTED, this \_\_\_\_\_ day of \_\_\_\_\_, 2009

WITNESSES:

ASSIGNOR:

Signature: \_\_\_\_\_.

Signature: \_\_\_\_\_.

Name:  
Address:

Name: Ali LOUZIR

Signature: \_\_\_\_\_.

Name:  
Address:

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EXECUTED, this \_\_\_\_\_ day of \_\_\_\_\_, 2009

WITNESSES:

ASSIGNOR:

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Name:  
Address:

Name: Corine NICOLAS

Signature: \_\_\_\_\_

Name:  
Address:

EXECUTED, this 26<sup>th</sup> day of June, 2009

WITNESSES:

ASSIGNOR:

Signature: 

Signature: 

Name: Florence PAC  
Address: 15 allée de la Haute Lande  
F-35850 Pauterney de Bretagne

Name: Christian PERSON

Signature: 

Name: YONNET Marie-Armelle  
Address: 4, lieu-dit La Plardiere  
F-35230 Orgeres

EXECUTED, this 26<sup>th</sup> day of June, 2009

WITNESSES:


ASSIGNOR:

Signature: 

Signature: 

Name: Florence PAC  
Address: 15 allée de la Haute Lande  
F-35850 Pauterney de Bretagne.

Name: Jean-Philippe COUPEZ

Signature: 

Name: YONNET Marie-Armelle  
Address: 4, lieu-dit La Plardiere  
F-35230 Orgeres



WITNESSES:

Signature: [Signature]

Name: Florence PAC

Address: 15 allée de la Haute Lande  
F-35850 Pauterney de Bretagne

Signature: [Signature]

Name: YONNET Marie -Armelle

Address: 4, lieu-dit La Planchère  
F-35230 Orgères

ASSIGNOR:

Signature: [Signature]

Name: Julian THEVENARD

EXECUTED, this \_\_\_\_\_ day of \_\_\_\_\_, 2009

WITNESSES:

Signature: \_\_\_\_\_

Name:

Address:

Signature: \_\_\_\_\_

Name:

Address:

ASSIGNOR:

Signature: \_\_\_\_\_

Name: Dominique LO HINE TONG

EXECUTED, this \_\_\_\_\_ day of \_\_\_\_\_, 2009

WITNESSES:

Signature: \_\_\_\_\_

Name:

Address:

Signature: \_\_\_\_\_

Name:

Address:

ASSIGNOR:

Signature: \_\_\_\_\_

Name: Ali LOUZIR

EXECUTED, this \_\_\_\_\_ day of \_\_\_\_\_, 2009

EXECUTED, this \_\_\_\_\_ day of \_\_\_\_\_, 2009

WITNESSES:

ASSIGNOR:

Signature: \_\_\_\_\_.

Signature: \_\_\_\_\_.

Name:  
Address:

Name: Corine NICOLAS

Signature: \_\_\_\_\_.

Name:  
Address:

EXECUTED, this \_\_\_\_\_ day of \_\_\_\_\_, 2009

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ASSIGNOR:

Signature: \_\_\_\_\_.

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Address:

Name: Christian PERSON

Signature: \_\_\_\_\_.

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Signature: \_\_\_\_\_.

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Signature: \_\_\_\_\_.

Name:  
Address: