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Docket No.: PF070084

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JEAN-LUC ROBERT

PHILIPPE MINARD

ALI LOUZIR

Additional name(s) of
conveying party(ies)
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X No

3. Nature of convenience:

X Assignment

Merger

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Execution Date: January 14, 19 and 19, 2010, respectively

2. Name and address of receiving party(ies):

Name: THOMSON Licensing

Internal Address:

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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:

A. Patent Application No.(s): PCT/EP200859616

B. Patent No.(s)

Additional numbers attached?

Yes

No X

5. Name and address of party to whom correspondence
concerning document should be mailed:

Name: ROBERT D. SHEDD

Internal Address: PATENT OPERATIONS
THOMSON LICENSING LLC

Street Address: P. O. Box 5312

City: PRINCETON State: NEW JERSEY Zip: 08543-5312

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$40.00

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PATENT

REEL: 023862 FRAME: 0281

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTER PATENT

WHEREAS Jean-Luc ROBERT, 2 rue Paul Gauguin, 35830 BETTON, FRANCE; Philippe MINARD, La Tremblaie, F- 35250, SAINT MEDARD SUR ILLE, FRANCE; Ali LOUZIR, 6 rue de la Godmondière, 35000 RENNES, FRANCE, hereinafter referred (collectively) to as the assignor, have invented a certain improvement relating to

MULTI-ANTENNA SYSTEM FEED DEVICE AND WIRELESS LINK TERMINAL EQUIPPED WITH SUCH A DEVICE

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;
- (X) said application having been filed in the United States Patent and Trademark Office on **July 22, 2008** Serial Number **PCT/ EP2008/059616**;

AND WHEREAS

THOMSON LICENSING
1-5 rue Jeanne d'Arc
F-92130 ISSY LES MOULINEAUX
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.

PATENT

REEL: 023862 FRAME: 0282

EXECUTED, this 11 day of January, 2010

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EXECUTED, this 11 day of January, 2010

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Name: Philippe MINARD

EXECUTED, this 19th day of January, 2010

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ASSIGNOR:

Signature: [Signature]

Name: Ali LOUZIR