

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MALCOLM M. LORANG	07/03/2012
RECEIVING PARTY DATA	
Name:	METROPCS WIRELESS, INC.
Street Address:	2250 LAKESIDE BOULEVARD
City:	RICHARDSON
State/Country:	TEXAS
Postal Code:	75082
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13543233
CORRESPONDENCE DATA	
Fax Number:	9724790464
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	9724790462
Email:	ADMIN@DALPAT.COM
Correspondent Name:	BRIAN D. WALKER
Address Line 1:	P.O. BOX 741715
Address Line 4:	DALLAS, TEXAS 75374-1715
ATTORNEY DOCKET NUMBER:	MPCS-29733
NAME OF SUBMITTER:	BRIAN D. WALKER
Total Attachments: 2 source=MPC29733 exe Assignment#page1.tif source=MPC29733 exe Assignment#page2.tif	

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ASSIGNMENT

Whereas, **MALCOLM M. LORANG**, an individual, residing at 3032 Rosedale Avenue, Dallas, Texas 75205 ("Applicant"), has invented certain new and useful improvements in a **POLARIZATION CONTROL FOR CELL TELECOMMUNICATION SYSTEM** (the "Invention"), for which United States Patent Application was filed on July 6, 2012 (Serial No. 13/543,233) (the "Application"); and

Whereas, **METROPCS WIRELESS, INC.**, a Delaware corporation, located at 2250 Lakeside Boulevard, Richardson, Texas 75082 ("Assignee"), is desirous of acquiring the entire right, title, and interest in the Application.

Now, Therefore, for other good and valuable consideration, Applicant, by these presents does hereby sell, assign, and transfer unto Assignee, its successors, assigns, and legal representatives the full and exclusive right to the Application in the United States and the entire right, title, and interest in and to any and all Patents which may be granted therefore and/or therefrom in the United States, to all divisions, reissues, substitutions, continuations, continuations-in-part, and extensions of said application. Applicant hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all patents for the Invention, or patents resulting therefrom, insofar as Applicant's interests are concerned, to Assignee, of the entire right, title, and interest in and to the same, for his sole use and benefit, and for the use and benefit of his legal representatives, to the full end of the term for which said Patent(s) may be granted, as fully and entirely as the same would have been held by the Applicant had this assignment not been made.

Applicant also sells and assigns to Assignee, its successors, assigns and legal representatives the full and exclusive right, title, and interest to the Invention disclosed in said Application throughout the world, including the right to file applications and obtain patents, utility models, industrial models, and designs for the Invention in the Assignee's own name throughout the world, including all rights of priority, all rights to publish cautionary notices reserving ownership of the Invention and all rights to register the Invention in appropriate registries, all foreign rights arising from pre-grant publication of the Application; and Applicant further agrees to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee, its successors, assigns and legal representatives.

Applicant further agrees to communicate to Assignee, its successors, assigns and/or legal representatives, any known facts respecting any improvements, and, at the expense of Assignee, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in Assignee and to aid Assignee, its successors, assigns and legal representatives to obtain and enforce proper protection for the Invention in all countries.

Applicant further authorizes and directs Assignee's attorneys to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

Name of Sole Inventor: **MALCOLM M. LORANG**

Residence (City, State): **DALLAS, TEXAS**

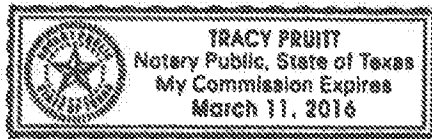
Signature: *Malcolm M. Lorang*

Date: 3 July 2012

STATE OF Texas §
COUNTY OF Dallas §

BEFORE ME, a Notary Public, on this 3rd day of July, 2012 personally appeared MALCOLM M. LORANG, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed same of his own free will for the purposes and consideration therein expressed.

[SEAL]



Tracy Pruitt
Notary Public
Commission Expires: 3-11-2016