

EXHIBIT F

ASSIGNMENT

WHEREAS, ACACIA RESEARCH GROUP LLC, a Texas limited liability company, having a place of business at 2400 Dallas Parkway, Suite 200, Plano, Texas 75093 (hereafter, together with any successors, legal representatives or assigns thereof, called "Assignor") is the owner of the entire right, title, and interest and assignee of the **U.S. Patents listed in the Exhibit attached hereto**;

AND WHEREAS, BRILLIANT OPTICAL SOLUTIONS LLC, a Texas limited liability company having a place of business at 2400 Dallas Parkway, Suite 200, Plano, Texas 75093 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said **U.S. Patents listed in the Exhibit attached hereto**, and all the inventions therein, and Assignor is willing to enter into such assignment.

NOW, THEREFORE, effective on February 13, 2013 and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from ASSIGNEE is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to the **U.S. Patents listed in the Exhibit attached hereto**, and all patents, patent applications, foreign patents, foreign patent applications, continuations, continuations-in-part, divisionals, extensions, renewals, reissues and re-examinations related to all inventions thereof, including without limitation, all rights to claim priority on the basis thereof, all rights to sue for past, present and future infringement, including the right to collect and receive any damages, royalties, or settlements for such infringements, all rights to sue for injunctive or other equitable relief, and any and all causes of action relating to any of the inventions or discoveries thereof;

Assignor hereby covenants that it has full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict with this Assignment;

Assignor hereby further covenants and agrees that it will communicate to ASSIGNEE any and all facts known to it respecting said patents, and testify in any legal proceeding, sign all lawful papers, execute and deliver all papers and take any actions that may be necessary or desirable to perfect the title to any aforementioned patents and inventions, execute all divisional, continuation, reexamination, reissue and substitute applications, and make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said inventions in all countries.

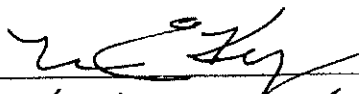
IN TESTIMONY WHEREOF, I hereunto set my hand this 13th day of February, 2013.

ACACIA RESEARCH GROUP LLC
(Assignor)

By

Name

Title


Marvin E. King
CEO

FOR USPTO RECORDING

EXHIBIT

U.S. PATENTS & APPLICATIONS

US Patent No.	US Appl. No.	Filing Date	Issue Date	Title
5555478	08/471,827	6/7/1995	9/10/1996	Fiber optic information transmission system
	*09/006,402	10/4/02	6/19/2007	Fiber optic information transmission system

* Reexamination Certificate Issued