

6-29-99

07-12-1999

Attorney Docket No. 019729-000100



FORM PTO-1595
(Rev. 6-93)

101087669

et U.S. Department of Commerce
Patent and Trademark Office

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

1. Name of conveying party(ies):
James P. Campbell, Eric W. Galyean,
Harvey R. Spreckman

Additional name(s) of conveying parties attached?
 Yes No.

2. Name and address of receiving party(ies)

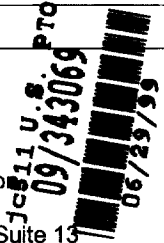
Name: Xoptix, Inc.

Internal Address: A California corporation

Street Address: 3421 El Camino Real, Suite 13

City: Atherton State: California ZIP: 94027

Additional names and addresses attached?
 Yes No



3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other:

Execution Date: June 29, 1999

4. Application Number(s) or Patent Numbers.

If this document is being filed together with a new application, the execution date of the application is: June 29, 1999

A. Patent Application No(s): B. Patent No(s):

Additional numbers attached? Yes No

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

Name: Kenneth R. Allen
TOWNSEND AND TOWNSEND AND CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
(650) 326-2400

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41): \$40.00-
 Enclosed Charge Fees to Deposit Account
 Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account.

8. Deposit account number: 20-1430

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9. Statement and signature.

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

Gregory S. Bishop _____ 6-29-99
Name of Person Signing Signature Date

Atty Reg. No. 41,621 Total number of pages including cover sheet, attachments and document 3

10. Change Correspondence Address to that of Part 5? Yes No

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

Mail documents to be recorded with required cover to:
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01 FC:581 40.00 CH

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, James P. Campbell, of 3421 El Camino Real, Suite 13, Atherton, CA 94027, Eric W. Galyean, of 25391 O'Keefe Lane, Los Altos Hills, CA 94022, Harvey R. Spreckman, of 229 Ravencrest Court, Thousand Oaks, CA 91320, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: A TRANSPARENT SOLAR CELL AND METHOD OF FABRICATION

Date(s) of execution of Declaration: 6/29/99

Filing Date: Herewith

Application No.: Unassigned

WHEREAS, Xoptix, Inc., a corporation of California, located at 3421 El Camino Real, Suite 13, Atherton, CA, 94027, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 6/29/99 [Signature] James P. Campbell

Dated: 6/29/99 [Signature] Eric W. Galyean

Dated: [Signature] Harvey R. Spreckman

ASSIGNMENT OF PATENT APPLICATION

JOINT

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Dated: _____

James P. Campbell

Dated: _____

Eric W. Galyean

Dated: 6-29-99

Harvey R. Spreckman
Harvey R. Spreckman

PA 3004648 v1