

01-26-2001



FORM PTO-1595
U.S. DEPARTMENT OF COMMERCE
1-31-92

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PATENTS ONLY

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): Zhong Ming Mao, D.L. Seekola, and Arne Erstling</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p>Execution Date: December 22, 2000</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: Spectraswitch, Inc.</p> <p>Street Address: 445 Tesconi Circle Santa Rosa, California 95401</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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4. Application number(s) or patent number(s): Application Serial No. 09/663,046, Filed September 15, 2000
If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Timothy W. Lohse (Reg. No. 35,255) Internal Address: Gray Cary Ware & Freidenrich LLP 3340 Hillview Avenue Palo Alto, CA 94304 (650) 320-7426</p>	<p>6. Total number of applications and patents involved: 1</p>
	<p>7. Total fee (37 CFR 3.41) \$ 40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p>
	<p>8. Deposit account number: <u>07-1896</u> Please debit any underpayment or credit any overpayment to the above deposit account. Our Order No. 2100681-991121</p>

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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.

Timothy W. Lohse (Reg. No. 35,255)
Name of Person Signing

Signature

January 11, 2001
Date

Total number of pages comprising cover sheet and assignment: [5]

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

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

Commissioner of Patents
Box Assignments
Washington, DC 20231

01/26/2001 AAHHE1 00000021 09663046

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PATENT TRADEMARK OFFICE

Gray Cary\HV\7067706.1
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PATENT
REEL: 011446 FRAME: 0966

ASSIGNMENT

WHEREAS, Zhong Ming Mao, D.L. Seekola, and Arne Erstling made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled **BIREFRINGENT OPTICAL DEVICE**, the specification of which was filed as serial no. 09/663,046 on September 15, 2000.

WHEREAS, SpectraSwitch, a corporation of the State of California, and whose address is 445 Tesconi Circle, Santa Rosa, California, 95401, and who, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the entire right, title and interest together with the benefits and privileges hereinafter recited;

NOW, THEREFORE, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation;

1. Assign, transfer and convey to Assignee the entire right, title and interest together with the benefits and privileges in and to said inventions and discoveries, said Application for Letters Patent or similar forms of protection of the United States of America, and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries, or upon said application, and any and all Letters Patent, reissues and extensions of Letters Patent or similar forms of protection granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries or groups of countries on any or all of said inventions and discoveries in our name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or any other relevant convention or treaty or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein, or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any rights in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonable serving to assure that said inventions and discoveries, said patent applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing any facts of our conceptions, disclosures, and reduction to practice of said inventions or discoveries.

IN WITNESS WHEREOF:

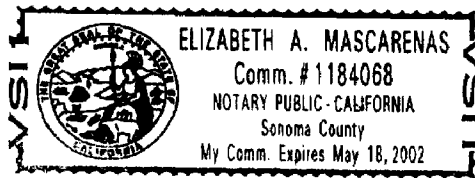
X Zhong Ming Mao
Zhong Ming Mao

STATE OF CALIFORNIA)
) ss.
COUNTY OF SONOMA)

On December 29, 2000 before me, Elizabeth A. Mascarenas, Notary Public, personally appeared Zhong Ming Mao, ~~personally known~~ or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed tot he within instrument and acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized capacity and that by his/~~her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Witness my hand and official seal.

Elizabeth A. Mascarenas
Notary Public



IN WITNESS WHEREOF:

D.L. Seekola

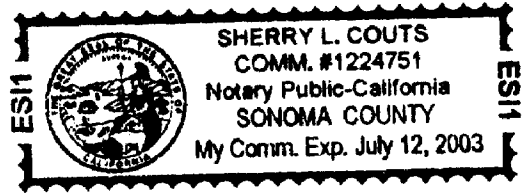
D.L. Seekola

STATE OF CALIFORNIA)
) ss.
COUNTY OF)

On Dec. 22, 2000 before me, Sherry Coutts, Notary Public, personally appeared D.L. Seekola, personally known or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed tot he within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Witness my hand and official seal.

Sherry L. Coutts
Notary Public



IN WITNESS WHEREOF:

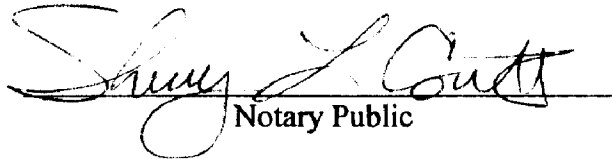


Arne Erstling

STATE OF CALIFORNIA)
) ss.
COUNTY OF)

On Dec. 22, 2000 before me, Sherry Courts, Notary Public, personally appeared ARNE ERSTLING, personally known or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed tot he within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Witness my hand and official seal.


Notary Public

