

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | |
|---|--|---------------|----------------|----------------|------------|-------------|------------|--------------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Gary A. Evans</td> <td>05/14/2001</td> </tr> <tr> <td>Jay B. Kirk</td> <td>05/15/2001</td> </tr> <tr> <td>Jacob Meyer Hammer</td> <td>05/17/2001</td> </tr> </tbody> </table> | | Name | Execution Date | Gary A. Evans | 05/14/2001 | Jay B. Kirk | 05/15/2001 | Jacob Meyer Hammer | 05/17/2001 |
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| Gary A. Evans | 05/14/2001 | | | | | | | | |
| Jay B. Kirk | 05/15/2001 | | | | | | | | |
| Jacob Meyer Hammer | 05/17/2001 | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | |
| Name: | Photodigm | | | | | | | | |
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| City: | Dallas | | | | | | | | |
| State/Country: | TEXAS | | | | | | | | |
| Postal Code: | 75275-4699 | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Patent Number:</td> <td>7450624</td> </tr> </tbody> </table> | | Property Type | Number | Patent Number: | 7450624 | | | | |
| Property Type | Number | | | | | | | | |
| Patent Number: | 7450624 | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | |
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| NAME OF SUBMITTER: | Dean M. Munyon | | | | | | | | |
| Total Attachments: 2 source=Inventor assignment 42905#page1.tif source=Inventor assignment 42905#page2.tif | | | | | | | | | |

CH \$40.00 7450624

ASSIGNMENT

As a below-named inventor of the U.S. patent application entitled **Grating-Outcoupled Surface-Emitting Lasers**, which names an inventorship of Gary A. Evans and Jay B. Kirk and Jacob Hammer, and which was filed 04/27/2001 (MM/DD/YY) and received Serial No. 09/844,484, I hereby sell, assign and transfer to **Photodigm**, 6405 Airline Extension #205, Dallas, TX 75275-4699, U.S.A., (hereinafter referred to as ASSIGNEE), for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in all foreign countries to be obtained for said invention by said application or any division, continuation, continuation-in-part, renewal, substitute, extension, re-examination or reissue thereof or any legal equivalent thereof in any foreign country for the full term or terms of which the same may be granted, and specifically including the right to file foreign applications and claim priority therefor under the provisions of any convention or treaty;

and I also hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

and I further hereby covenant that I will, upon ASSIGNEE'S request, promptly provide ASSIGNEE with all pertinent facts and documents, relating to said application, to any invention disclosed therein, or to any of said Letters Patent or legal equivalents thereof in the United States or in foreign countries, as may be known and accessible to me, and that I will testify and give evidence as to the same in any litigation or interference which may arise, and that I will promptly execute and deliver to ASSIGNEE or its legal representative, without charge but at Assignee's expense, any and all papers, instruments or affidavits which may be required, necessary or desirable for the purpose of applying for, obtaining, maintaining, issuing or enforcing said application and said Letters Patent and said equivalents thereof in the United States or in any foreign country; and I further authorize ASSIGNEE or its legal representative to make any submissions or true declarations which may be needed in connection with the prosecution of this application or related applications in the U.S. or in other countries, consistent with the requirements of the applicable country;

AND I HEREBY AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on said invention to ASSIGNEE, its successors and assigns.

IN WITNESS WHEREOF, this Assignment has been executed on the date set forth below.

Inventor's Name: Gary A. Evans

Signature: Gary A. Evans

Residence Address: 4520 Savino Drive, Plano, Texas 75093, U.S.A.

Today's Date, and Date Application Signed: 5/14/01

Inventor's Name: Jay B. Kirk

Signature: Jay B. Kirk

Residence Address: 4317 Oak Knoll, Plano, Texas 75093, U.S.A.

Today's Date, and Date Application Signed: 15 MAR 2001

Inventor's Name: ^{SMIT Meyer} Jacob Hammer

Signature: Jacob Meyer Hammer

Residence Address: 42 City Gate Lane, Annapolis, MD 21409, U.S.A.

Today's Date, and Date Application Signed: 5/17/01