

PATENT ASSIGNMENT

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| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Lumin ZHANG | 06/26/2009 |
| Yi DONG | 06/26/2009 |
| Weisheng HU | 06/30/2009 |
| RECEIVING PARTY DATA | |
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| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 12547750 |
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| ATTORNEY DOCKET NUMBER: | 16470.31 |
| NAME OF SUBMITTER: | R. Burns Israelsen |
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WHEN RECORDED RETURN TO:

PATENT APPLICATION
Docket No. 16470.31

Workman Nydegger
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

ASSIGNMENT

I/We the undersigned, hereinafter collectively referred to as "Assignor", have made an invention entitled

Non-Feedback Pre-Encoder for Optical DQPSK Modulation

Preferred embodiments of said invention are disclosed in a United States patent application which:

- ☒ is executed concurrently herewith for filing in the United States Patent and Trademark Office.
- ☐ was previously filed in the United States Patent and Trademark Office on _____, United States Application No. _____.
- ☐ is a United States National Application of PCT International Application No. _____, filed _____.

(The attorneys of Workman Nydegger are hereby authorized to insert the serial number and filing date when known.)

The Assignee, Shanghai Jiao Tong University, having a principal place of business at No.800 Dongchuan Rd, Shanghai, P.R.China, desires to secure the entire right, title and interest in said invention and the patent application filed thereon.

In consideration of One Dollar (\$1.00) and other good and valuable consideration paid to Assignor by the Assignee, the receipt and sufficiency of which is hereby acknowledge, ASSIGNOR HEREBY ASSIGNS TO THE ASSIGNEE:

The entire right, title, and interest in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, or reissues or extensions of letters patent or patents granted thereon, and in all patents issuing thereon in the United States.

Inventor 3

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|---|--------------------------|---------------------------|
| <u>Weisheng</u> | <u></u> | <u>HU</u> |
| (GIVEN NAME) | (MIDDLE INITIAL OR NAME) | FAMILY (OR LAST NAME) |
| Inventor's signature <u>Weisheng Hu</u> | | Date <u>June 30, 2009</u> |