



(12) **CORRECTED EUROPEAN PATENT APPLICATION**

Note: Bibliography reflects the latest situation

(15) Correction information:

**Corrected version no 1 (W1 A2)**  
**INID code(s) 30**

(51) Int Cl.:

**G02F 1/225** (2006.01) **H04B 10/155** (2006.01)  
**H04L 27/20** (2006.01)

(48) Corrigendum issued on:

**06.06.2007 Bulletin 2007/23**

(43) Date of publication:

**07.03.2007 Bulletin 2007/10**

(21) Application number: **05025631.2**

(22) Date of filing: **24.11.2005**

(84) Designated Contracting States:

**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR**

Designated Extension States:

**AL BA HR MK YU**

(30) Priority: **31.08.2005 JP 2005252172**

(71) Applicant: **FUJITSU LIMITED**

**Kawasaki-shi,**  
**Kanagawa 211-8588 (JP)**

(72) Inventors:

- **Nakashima, Hisao**  
**c/o FUJITSU LIMITED**  
**Kawasaki-shi**  
**Kanagawa 211-8588 (JP)**
- **Hoshida, Takeshi**  
**c/o FUJITSU LIMITED**  
**Kawasaki-shi**  
**Kanagawa 211-8588 (JP)**

(74) Representative: **Hoffmann, Klaus**

**Hoffmann - Eitle**  
**Patent- und Rechtsanwälte**  
**Arabellastrasse 4**  
**D-81925 München (DE)**

(54) **Differential quadrature phase-shift modulator and method for setting driving voltage thereof**

(57) The present invention is directed toward a method for setting a driving voltage of a differential quadrature phase-shift modulator, this method making signal quality superior in response to an individual difference in extinction ratio due to variations in manufacture of a device. To this end, signal quality of differential quadrature

phase-shift modulated light output from a differential quadrature phase-shift modulator is acquired. An average amplitude of a first or second driving voltage signal is adjusted according to the signal quality of the thus-acquired differential quadrature phase-shift modulated light.

FIG. 1

