

Cabou Christian
Form 4
October 29, 2010

FORM 4

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

OMB APPROVAL

OMB Number: 3235-0287
Expires: January 31, 2015
Estimated average burden hours per response... 0.5

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
Cabou Christian

(Last) (First) (Middle)
9885 TOWNE CENTRE DRIVE
(Street)

SAN DIEGO, CA 92121-1975

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
ILLUMINA INC [ILMN]

3. Date of Earliest Transaction
(Month/Day/Year)
10/27/2010

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
Sr VP & General Counsel

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
____ Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| | | | Code | V | Amount (A) or (D) Price | | |
| Common Stock | 10/27/2010 | | M | | 9,779 (1) | A | \$ 13.7 35,117 D |
| Common Stock | 10/27/2010 | | S | | 9,779 (1) | D | \$ 54.9993 (2) 25,338 D |
| Common Stock | 10/27/2010 | | M | | 5,221 (1) | A | \$ 13.7 30,559 D |
| Common Stock | 10/27/2010 | | S | | 5,221 (1) | D | \$ 55.8588 (3) 25,338 D |
| | 10/27/2010 | | M | | | A | \$ 28.45 29,038 D |

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| | | | | | | | |
|--------------|------------|---|--|--------------|---|-------------------|-------------------|
| Common Stock | | | | 3,700 (1) | | | |
| Common Stock | 10/27/2010 | S | | 3,700 (1) | D | \$ 55.106 (4) | 25,338 D |
| Common Stock | 10/27/2010 | M | | 800 (1) | A | \$ 28.45 | 26,138 D |
| Common Stock | 10/27/2010 | S | | 800 (1) | D | \$ 56.0863 (5) | 25,338 D |
| Common Stock | | | | | | | 1,000 I by Spouse |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474
(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Security (Instr. 3 and 4) | | |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------|----------------|
| | | | | Code | V (A) (D) | Date Exercisable | Expiration Date | Title | Am or Nur of S |
| Non-Qualified Stock Option (right to buy) | \$ 13.7 | 10/27/2010 | | M | 15,000 (1) | 05/30/2007 05/30/2016 | Common Stock | 15 | |
| Non-Qualified Stock Option (right to buy) | \$ 28.45 | 10/27/2010 | | M | 4,500 (1) | 02/28/2009 01/28/2019 | Common Stock | 4, | |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|-------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Cabou Christian 9885 TOWNE CENTRE DRIVE SAN DIEGO, CA 92121-1975 | | | Sr VP & General Counsel | |

Signatures

By: Scott M. Davies For: Christian G.
Cabou

10/29/2010

__Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) The sale was made pursuant to a 10b5-1 plan.
- (2) Weighted average sale price representing 9,779 shares sold ranging from \$54.52 to \$55.51 per share. Number of shares sold at each separate price will be made available to the SEC staff, the issuer, or a security holder of the issuer upon request.
- (3) Weighted average sale price representing 5,221 shares sold ranging from \$55.53 to \$56.94 per share. Number of shares sold at each separate price will be made available to the SEC staff, the issuer, or a security holder of the issuer upon request.
- (4) Weighted average sale price representing 3,700 shares sold ranging from \$54.69 to \$55.68 per share. Number of shares sold at each separate price will be made available to the SEC staff, the issuer, or a security holder of the issuer upon request.
- (5) Weighted average sale price representing 800 shares sold ranging from \$55.71 to \$56.62 per share. Number of shares sold at each separate price will be made available to the SEC staff, the issuer, or a security holder of the issuer upon request.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.