

Cabou Christian
Form 4
October 29, 2010

FORM 4

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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 or 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 25,338 D (2)
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 25,338 D (3)
	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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(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.