HENRY CHRISTIAN O

Form 4

December 23, 2010

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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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

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading HENRY CHRISTIAN O Issuer Symbol ILLUMINA INC [ILMN] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title _ __Other (specify 9885 TOWNE CENTRE DRIVE 12/21/2010 below) Sr VP & CFO (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting SAN DIEGO, CA 92121-1975 Person

| (City) | (State) | (Zip) Tab | le I - Non- | Derivativo | e Secu | rities Acqui | red, Disposed of, | or Beneficiall | y 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) | | sed of | ` ' | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| Common Stock | 12/21/2010 | | Code V M | Amount 4,900 (1) | | Price \$ 10.485 | (Instr. 3 and 4) 30,972 | D | |
| Common Stock | 12/21/2010 | | S | 4,900 (1) | D | \$ 64.3 (2) | 26,072 | D | |
| Common Stock | 12/21/2010 | | M | 100 (1) | A | \$ 10.485 | 26,172 | D | |
| Common Stock | 12/21/2010 | | S | 100 (1) | D | \$ 65.1168 (3) | 26,072 | D | |

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. Transactio Code (Instr. 8) | 5. Number on Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amour Underlying Securit (Instr. 3 and 4) | |
|-----------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------|----------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------|--------------------|--------------------------------------------------------|---------------------------------|
| | | | | | Code V | and 5) (A) (D) | Date Exercisable | Expiration Date | Title | Amo or Num of Share |
| | Non-Qualified Stock Option (right to buy) | \$ 10.485 | 12/21/2010 | | M | 5,000 (1) | 02/28/2006 | 01/30/2016 | Common Stock | 5,0 |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

HENRY CHRISTIAN O 9885 TOWNE CENTRE DRIVE SAN DIEGO, CA 92121-1975

Sr VP & CFO

Signatures

By: Scott M. Davies For: Christian O. Henry 12/23/2010

**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 4,900 shares sold ranging from \$63.97 to \$64.96 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 100 shares sold ranging from \$65.115 to \$65.12 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.

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