ILLUMINA INC Form 4 August 19, 2010

FORM 4

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

Check this box if no longer subject to Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Expires:

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Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction 1(b).

(Print or Type Responses)

(Last)

1. Name and Address of Reporting Person * RASTETTER WILLIAM H

(First)

(Street)

9885 TOWNE CENTRE DRIVE

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

below)

ILLUMINA INC [ILMN]

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year) 08/17/2010

_X__ Director 10% Owner Officer (give title Other (specify

(Check all applicable)

Filed(Month/Day/Year)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting Person

SAN DIEGO, CA 92121-1975

| (City) | (State) | (Zip) Tab | le I - Non- | Derivative | Secur | ities Acqui | red, Disposed of | or Beneficial | ly Owned |
|--------------------------------------|---|---|-----------------|--------------------------|-----------------------|---------------|------------------|---------------|---|
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | Code (Instr. 8) | omr Dispos (Instr. 3, | ed of (4 and 3 (A) or | 5) | | | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| Common Stock | 08/17/2010 | | Code V M | Amount 10,260 (1) | (D) | Price \$ 5.15 | 16,060 | D | |
| Common Stock | 08/17/2010 | | S | 10,260 (1) | D | \$ 45.911 (2) | 5,800 | D | |
| Common Stock | 08/17/2010 | | M | 7,400 (1) | A | \$ 5.15 | 13,200 | D | |
| Common Stock | 08/17/2010 | | S | 7,400 (1) | D | \$ 45.914 (3) | 5,800 | D | |
| Common | | | | | | | 86,680 | I | by Trust |

(e.g., puts, calls, warrants, options, convertible securities)

Stock

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

| 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 of or 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 Amou Underlying Secur (Instr. 3 and 4) | |
|---|---|--------------------------------------|---|--|--|--|--------------------|---|------------------------|
| | | | | Code V | (A) (D) | Date Exercisable | Expiration Date | Title | Am or Nu of S |
| Non-Qualified Stock Option (right to buy) | \$ 5.15 | 08/17/2010 | | M | 17,660 (1) | 05/24/2002 | 05/24/2011 | Common Stock | 17 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | |
|--|---------------|-----------|---------|-------|--|--|
| . 9 | Director | 10% Owner | Officer | Other | | |
| RASTETTER WILLIAM H 9885 TOWNE CENTRE DRIVE SAN DIEGO, CA 92121-1975 | X | | | | | |

Signatures

By: Scott M. Davies For: William H.
Rastetter

08/19/2010

**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 10,260 shares sold ranging from \$45.41 to \$46.26 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 7,400 shares sold ranging from \$45.40 to \$46.26 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.

Reporting Owners 2

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