

Heath Gregory
Form 4/A
January 29, 2010

FORM 4

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

OMB APPROVAL

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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 *
Heath Gregory

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

SAN DIEGO, CA 92121

(City) (State) (Zip)

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

3. Date of Earliest Transaction
(Month/Day/Year)
01/27/2010

4. If Amendment, Date Original Filed(Month/Day/Year)
01/29/2010

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

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 ⁽¹⁾ | 01/27/2010 | | A | | 6,667 | A | \$ 0 |
| Common Stock | 01/28/2010 | | F | | 458 | D | \$ 36.3 |

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

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(9-02)

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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 Underlying Security (Instr. 3 and 4) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|
| Non-Qualified Stock Option (right to buy) | \$ 37.04 | 01/27/2010 | | A | 60,000 | 02/27/2010 ⁽²⁾ 01/27/2020 | Common Stock |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|-------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Heath Gregory 9885 TOWNE CENTRE DRIVE SAN DIEGO, CA 92121 | | | Sr VP & General Manager | |

Signatures

Octavio Espinoza for Gregory F. Heath
 Date: 01/29/2010

__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) Grant of restricted stock units which vest as follows: 15% of the Shares subject to the Award become vested one year from date of grant, 20% of the Shares subject to the Award become vested two years from date of grant, 30% of the Shares subject to the Award become vested three years from date of grant, 35% of the Shares subject to the Award become vested four years from date of grant, subject to Awardee's continuing to be a Service Provider on such dates.
- (2) One-forty eighth (1/48) of the Shares subject to the Option become exercisable on the date indicated above, subject to Optionee's continuing to be a Service Provider on such date. An additional one-forty eighth (1/48) of the Shares subject to the Option shall become exercisable each full month thereafter, subject to Optionee's continuing to be a Service Provider on such date.

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.