

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| OMB APPROVAL | |
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|---|---------|----------|---|--|--|---|--|--|
| 1. Name and Address of Reporting Person* GROSSMAN D KEITH | | | 2. Issuer Name and Ticker or Trading Symbol INTUITIVE SURGICAL INC [ISRG] | | | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below) | | |
| (Last) | (First) | (Middle) | 3. Date of Earliest Transaction (Month/Day/Year) 07/31/2007 | | | 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person | | |
| 950 KIFER ROAD | | | 4. If Amendment, Date of Original Filed (Month/Day/Year) | | | | | |
| (Street) | (City) | (State) | (Zip) | | | | | |
| SUNNYVALE | CA | | 94086 | | | | | |

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 Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|------------|----------|---|--|---|
| | | | Code | V | Amount | (A) or (D) | Price | | | |
| Common Stock | 07/31/2007 | | M | | 158 | A | \$47.09 | 158 | D | |
| Common Stock | 07/31/2007 | | S | | 158 | D | \$213.26 | 0 | D | |
| Common Stock | 07/31/2007 | | M | | 100 | A | \$47.09 | 100 | D | |
| Common Stock | 07/31/2007 | | S | | 100 | D | \$213.31 | 0 | D | |
| Common Stock | 07/31/2007 | | M | | 500 | A | \$47.09 | 500 | D | |
| Common Stock | 07/31/2007 | | S | | 500 | D | \$213.3 | 0 | D | |
| Common Stock | 07/31/2007 | | M | | 100 | A | \$47.09 | 100 | D | |
| Common Stock | 07/31/2007 | | S | | 100 | D | \$213.26 | 0 | D | |
| Common Stock | 07/31/2007 | | M | | 100 | A | \$47.09 | 100 | D | |
| Common Stock | 07/31/2007 | | S | | 100 | D | \$213.3 | 0 | D | |
| Common Stock | 07/31/2007 | | M | | 100 | A | \$47.09 | 100 | D | |
| Common Stock | 07/31/2007 | | S | | 100 | D | \$213.26 | 0 | D | |
| Common Stock | 07/31/2007 | | M | | 100 | A | \$47.09 | 100 | D | |
| Common Stock | 07/31/2007 | | S | | 100 | D | \$213.3 | 0 | D | |
| Common Stock | 07/31/2007 | | M | | 100 | A | \$47.09 | 100 | D | |
| Common Stock | 07/31/2007 | | S | | 100 | D | \$213.28 | 0 | D | |
| Common Stock | 07/31/2007 | | M | | 100 | A | \$47.09 | 100 | D | |
| Common Stock | 07/31/2007 | | S | | 100 | D | \$213.31 | 0 | D | |

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 Securities Underlying Derivative Security (Instr. 3 and 4) | | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|--|--|--------------------------------------|--|--------------------------------|---|--|-----|--|-----------------|---|----------------------------|--|--|---|--|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 100 | (I) | 05/20/2015 | Common Stock | 100 | \$0 | 4,900 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 100 | (I) | 05/20/2015 | Common Stock | 100 | \$0 | 4,800 | D | |

**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 Securities Underlying Derivative Security (Instr. 3 and 4) | | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|--|--|--------------------------------------|--|--------------------------------|---|--|-----|--|-----------------|---|----------------------------|--|--|---|--|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 58 | (1) | 05/20/2015 | Common Stock | 58 | \$0 | 4,742 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 42 | (1) | 05/20/2015 | Common Stock | 42 | \$0 | 4,700 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 42 | (1) | 05/20/2015 | Common Stock | 42 | \$0 | 4,658 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 58 | (1) | 05/20/2015 | Common Stock | 58 | \$0 | 4,600 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 8 | (1) | 05/20/2015 | Common Stock | 8 | \$0 | 4,592 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 150 | (1) | 05/20/2015 | Common Stock | 150 | \$0 | 4,442 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 760 | (1) | 05/20/2015 | Common Stock | 760 | \$0 | 3,682 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 100 | (1) | 05/20/2015 | Common Stock | 100 | \$0 | 3,582 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 40 | (1) | 05/20/2015 | Common Stock | 40 | \$0 | 3,542 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 100 | (1) | 05/20/2015 | Common Stock | 100 | \$0 | 3,442 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 100 | (1) | 05/20/2015 | Common Stock | 100 | \$0 | 3,342 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 100 | (1) | 05/20/2015 | Common Stock | 100 | \$0 | 3,242 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 100 | (1) | 05/20/2015 | Common Stock | 100 | \$0 | 3,142 | D | |

**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 Securities Underlying Derivative Security (Instr. 3 and 4) | | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|--|--|--------------------------------------|--|--------------------------------|---|--|-----|--|-----------------|---|----------------------------|--|--|---|--|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 500 | (1) | 05/20/2015 | Common Stock | 500 | \$0 | 2,642 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 100 | (1) | 05/20/2015 | Common Stock | 100 | \$0 | 2,542 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 42 | (1) | 05/20/2015 | Common Stock | 42 | \$0 | 2,500 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 100 | (1) | 05/20/2015 | Common Stock | 100 | \$0 | 2,400 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 200 | (1) | 05/20/2015 | Common Stock | 200 | \$0 | 2,200 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 100 | (1) | 05/20/2015 | Common Stock | 100 | \$0 | 2,100 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 100 | (1) | 05/20/2015 | Common Stock | 100 | \$0 | 2,000 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 100 | (1) | 05/20/2015 | Common Stock | 100 | \$0 | 1,900 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 42 | (1) | 05/20/2015 | Common Stock | 42 | \$0 | 1,858 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 100 | (1) | 05/20/2015 | Common Stock | 100 | \$0 | 1,758 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 100 | (1) | 05/20/2015 | Common Stock | 100 | \$0 | 1,658 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 100 | (1) | 05/20/2015 | Common Stock | 100 | \$0 | 1,558 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 100 | (1) | 05/20/2015 | Common Stock | 100 | \$0 | 1,458 | D | |

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
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|--|--|--------------------------------------|--|--------------------------------|---|--|-----|--|-----------------|---|----------------------------|--|--|---|--|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 100 | (1) | 05/20/2015 | Common Stock | 100 | \$0 | 1,358 | D | |
| Non-Qualified Stock Option (right to buy) | \$47.09 | 07/31/2007 | | M | | | 100 | (1) | 05/20/2015 | Common Stock | 100 | \$0 | 1,258 | D | |

Explanation of Responses:

1. Non-statutory stock option granted pursuant to the Non-Employee Directors' Stock Option Plan. Option shall vest 100% one year after the date of grant date.

D.Keith Grossman 07/31/2007

** Signature of Reporting Person Date

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.