

KING ROBERT F
Form 4/A
October 31, 2007

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 *
KING ROBERT F

2. Issuer Name and Ticker or Trading Symbol
AMTECH SYSTEMS INC [ASYS]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
C/O AMTECH SYSTEMS INC, 131
SOUTH CLARK DRIVE

3. Date of Earliest Transaction
(Month/Day/Year)
10/10/2007

Director 10% Owner
 Officer (give title below) Other (specify below)

(Street)
TEMPE, AZ 85281

4. If Amendment, Date Original Filed(Month/Day/Year)
10/25/2007

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 | | |
| Amtech Systems, Inc. \$.01 Par Value Common Stock | 10/10/2007 ⁽¹⁾ | | M | | 6,000 A \$ 3.25 | 6,000 | 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)

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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 Amount of Underlying Securities (Instr. 3 and 4) | 8. Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------------------------------|
| Option to purchase \$.01 par value common stock ⁽²⁾ | \$ 3.25 | 10/10/2007 ⁽¹⁾ | | M | 6,000 | 05/23/2006 05/23/2013 | Amtech Systems, Inc. \$.01 par value common stock | 6,000 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| KING ROBERT F C/O AMTECH SYSTEMS INC 131 SOUTH CLARK DRIVE TEMPE, AZ 85281 | X | | | |

Signatures

By Robert T. Hass on behalf of Robert F. King by power of attorney 10/31/2007

__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) This date was incorrectly reported as 10/19/2007 on the original Form 4 filed on October 25, 2007, the correction of which is the purpose of this Amendment
- (2) Amtech Systems, Inc. Non-Employee Director Stock Option
- (3) Exercise of a stock option

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.