Goudena Egbert J. G. Form 4 December 23, 2009

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

SECURITIES

OMB APPROVAL OMB

Washington, D.C. 20549 Check this box if no longer STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

3235-0287 Number: January 31,

subject to Section 16. Form 4 or

Expires: 2005 Estimated average

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

burden hours per response... 0.5

See Instruction

1(b).

(Print or Type Responses)

(Last)

1. Name and Address of Reporting Person * Goudena Egbert J. G.

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol AMTECH SYSTEMS INC [asys]

(Middle)

131 SOUTH CLARK DRIVE

(Check all applicable)

(First)

(Street)

3. Date of Earliest Transaction

(Month/Day/Year) 12/22/2009

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

4. If Amendment, Date Original

Filed(Month/Day/Year)

Code

(Instr. 8)

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

Person

TEMPE, AZ 85281

1.Title of

Security

(Instr. 3)

(City) (State) (Zip)

2. Transaction Date 2A. Deemed

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 4. Securities (Month/Day/Year) Execution Date, if TransactionAcquired (A) or

5. Amount of 6. Ownership Securities Beneficially Owned

7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (Instr. 4) (Instr. 4)

(A) or

Disposed of (D)

(Instr. 3, 4 and 5)

Reported Transaction(s)

Following

(Instr. 3 and 4) Code V Amount (D) Price

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

(Month/Day/Year)

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Derivative Security (Instr. 3)

2. Conversion or Exercise Price of

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if (Month/Day/Year)

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

5. Number 4 Transaction Derivative Code Securities (Instr. 8) Acquired

6. Date Exercisable and Expiration Date (Month/Day/Year)

7. Title and of Underlyin Securities (Instr. 3 and

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Derivative (A) or Security Disposed of (D) (Instr. 3, 4,

and 5)

Code V (A) (D) Date Exercisable Expiration Date Title

Amtech Systems, Inc. Non-Employee \$ 11.03 12/22/2009 Α

Director Stock

Option

12/22/2010(1) 12/22/2020(2) 6.000

Amtech

Systems,

Inc. \$.01

par value

common

stock

Reporting Owners

Relationships Reporting Owner Name / Address

> 10% Owner Officer Other Director

Goudena Egbert J. G. 131 SOUTH CLARK DRIVE X **TEMPE, AZ 85281**

Signatures

Robert T. Hass on behalf of Egbert J. G. Goudena by Power of 12/23/2009 Attorney

> **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) One-third of the stock option granted vest on each of the first three anniversaries of the grant date.
- Any unexercised stock options expire 90 days after membership on the Board of Directors terminates, except that the expiration is one (2) year from the date of termination if such termination is the result of death, or such other expiration date as the Board of Directors sets in its discretion at the time of termination.
- (3) Price omitted because the transaction is a grant 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.

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