Pentinga Fokko Form 4

December 10, 2010 FORM 4

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

OMB APPROVAL OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

January 31, Expires: 2005

Form 4 or Form 5

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

Estimated average burden hours per 0.5 response...

obligations may continue. See Instruction

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

1(b).

stock

(Print or Type Responses)

1. Name and Address of Reporting Person *_Pentinga Fokko			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)	3. Date of Earliest Transaction	(enser an approach)		
			(Month/Day/Year)	Director 10% Owner		
TEMPRESS SYSTEMS,			12/10/2010	_X_ Officer (give title Other (specify below)		
B.V., RADEWEG 31				President		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
			Filed(Month/Day/Year)	Applicable Line)		
VAASSEN, I	P7 8171 MD			_X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

(City)	(State)	(Zip) Tabl	le I - Non-I	Derivative	Secur	ities Acq	uired, Disposed o	f, 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)	3. Transaction Code (Instr. 8)	4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(Instr. 4)	
Amtech Systems, Inc. \$.01 par value common stock	12/10/2010		M	1,875	A	\$ 6.9	27,500	D	
Amtech Systems, Inc. \$.01 par value common	12/10/2010		M	250	A	\$ 7	27,750	D	

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Amtech Systems, Inc. \$.01 par value common stock	12/10/2010	M	9,375	A	\$ 14.79	37,125	D
Amtech Systems, Inc. \$.01 par value common stock	12/10/2010	S	11,500	D	\$ 25.03	25,625	D
Amtech Systems, Inc. \$.01 par value common stock	12/10/2010	S	1,875	D	\$ 25.01	23,750	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)

 $\label{thm:convertible} \textbf{Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned} \\ \textit{(e.g., puts, calls, warrants, options, convertible securities)}$

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. Transactic Code (Instr. 8)	5. Number out 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)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Amtech Systems, Inc. Employee Stock Option	\$ 6.9	12/10/2010		M	1,875	12/08/2007	12/08/2016	Amtech Systems, Inc. \$.01 par value common stock	1,875
Amtech Systems,	\$ 7	12/10/2010		M	250	01/30/2008	01/30/2017	Amtech Systems,	250

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Inc. Employee Stock Option							Inc. \$.01 par value common stock	
Amtech Systems, Inc. Employee Stock Option	\$ 14.79	12/10/2010	М	9,375	12/06/2010	12/06/2017	Amtech Systems, Inc. \$.01 par value common stock	9,375

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Pentinga Fokko

TEMPRESS SYSTEMS, B.V.

President

RADEWEG 31 VAASSEN, P7 8171 MD

Signatures

Robert T. Hass on behalf of Fokko Pentinga by Power of Attorney

12/10/2010

**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) Price omitted because the transaction is a grant of a stock option.
- (2) This is the number of derivative securities, with the same terms and conditions, following the reported transaction.
- (3) This is the number of derivative securities, with the same terms and conditions, following the reported transaction. Total of all derivative securities, with different terms and conditions, held following the reported transaction is 61,875.

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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