
OMB APPROVAL

OMB Number...3235-0145 Expires:.August 31, 1999 Estimated average burden hours per response 14.90

UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549

SCHEDULE 13G

Under The Securities Exchange Act of 1934

(AMENDMENT NO. 1) *

Amtech Systems Inc.
----(Name of Issuer)

Common Stock

(Title of Class of Securities)

032332504

(CUSIP Number)

October 31, 2006

(Date of Event which requires filing of this statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

\x\ Rule 13d-1(b)

\x\ Rule 13d-1(c)

\ \ Rule 13d-1(d)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

Page 1 of 8 Pages

1	SON				
		13-3958232			
2	CHECK THE APPROI	PRIATE BOX IF A MEMBER OF A G	ROUP*		
			(a) / /		
			(b) / /		
3	SEC USE ONLY				
4	CITIZENSHIP OR PLACE OF ORGANIZATION				
		Delaware			
		5 SOLE VOTING POW	ER		
	NUMBER OF	136,900			
SHA	NUMBER OF RES BENEFICIALLY	6 SHARED VOTING PO	OWER		
	OWNED BY EACH	-			
	REPORTING PERSON WITH	7 SOLE DISPOSITIVE	E POWER		
		136,900			
		8 SHARED DISPOSITIVE	POWER		
		-			
9	AGGREGATE AMOUNT	BENEFICIALLY OWNED BY EACH R	EPORTING PERSON		
		136,900			
10	CHECK IF THE AGGI	REGATE AMOUNT IN ROW (9) EXCLU	UDES CERTAIN SHARES*		
		REPRESENTED BY AMOUNT IN ROW			
		3.9%			
	TYPE OF REPORTING				
		IA			
	* *SEI	E INSTRUCTION BEFORE FILLING (DUT!		
	No. 032332504	13G	Page 3 of 8 Pages		
1	NAME OF REPORTING				

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

		(c) / /
		(d) //
3 SEC USE (NLY	
4 CITIZENSHIP OR	PLACE OF ORGANIZATION	
	U.S.A.	
	5 SOLE VOTING POWER	
NUMBER OF SHARES BENEFICIALLY	-	
OWNED BY EACH	6 SHARED VOTING POWER	
REPORTING PERSON WITH	136,900 - (See Schedule Item 4 incorporated by refer	ence)
	7 SOLE DISPOSITIVE POWER	
	8 SHARED DISPOSITIVE POWER	
	136,900 - (See Schedule Item 4 incorporated by refe	rence)
9 AGGREGATE AMOUN	T BENEFICIALLY OWNED BY EACH REPORTING PER	SON
	136,900 - (See Schedule Item 4 incorporated by refe	rence)
10 CHECK IF THE AC	GREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN	SHARES*
11 PERCENT OF CLAS	S REPRESENTED BY AMOUNT IN ROW 9	
	3.9%	
12 TYPE OF REPORT	NG PERSON*	
	IN	
*\$	EEE INSTRUCTION BEFORE FILLING OUT!	
CUSIP No. 032332504	13G Page	4 of 8 Pages
1 NAME OF REPORTI	NG PERSON IDENTIFICATION NO OF ABOVE PERSON David G. Kern	
2 CHECK THE APPRO	PRIATE BOX IF A MEMBER OF A GROUP*	e) //
	(f) //

_ ______

4 CITIZENSHIP OR PLACE OF ORGANIZATION

3 SEC USE ONLY

		U.S.A.		
		_		
		5	SOLE VOTING POWER	
NUMBER SHARES	OF BENEFICIALLY		- 	
OWNED E	D BY RTING	6	SHARED VOTING POWER	
REPORTI PERSON			136,900 - (See Schedule Item 4 incorporated by reference)	
		7	SOLE DISPOSITIVE POWER	
			-	
		8	SHARED DISPOSITIVE PO	NER
			136,900 - (See Schedincorporate	ule Item 4 ed by reference)
 9	AGGREGATE AMOU	JNT BENEF	CCIALLY OWNED BY EACH RE	PORTING PERSON
			136,900 - (See Schedincorporate	ule Item 4 ed by reference)
 10			AMOUNT IN ROW (9) EXCLU	DES CERTAIN SHARES*
			-	
 11			SENTED BY AMOUNT IN ROW	
			3.9%	
 12	TYPE OF REPORT			
			IN	
			NUMBERON DEPOND DITTING OF	
	•	SEE INSTE	RUCTION BEFORE FILLING O	JT!
CUSIP No	032332504		13G	Page 5 of 8 Pages
1	NAME OF REPORT		CATION NO OF ABOVE PERSO	ON
			Redpoint Partners LP	
ס מוודיסיג	יייי די מייי מוח איייי די מייי		A MEMBER OF A GROUP*	
Z UNEUK	ING APPROPRIATI	A II AUG :	THERET OF A GROUP	(g) / /
				(h) / /
3	SEC USE ONLY			
4	CITIZENSHIP OF	R PLACE OF	FORGANIZATION	
		Delawa:	re 	
		5	SOLE VOTING POWER	
MILIMEDE	O.F.	J	SOUL FOLLING LOWER	
	BENEFICIALLY		- 	
OWNED E	3Y	6	SHARED VOTING POWER	

EACH

REPORTING PERSON WITH 136,900 - (See Schedule Item 4 incorporated by reference)

SOLE DISPOSITIVE POWER

SHARED DISPOSITIVE POWER

136,900 - (See Schedule Item 4 incorporated by reference)

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

136,900 - (See Schedule Item 4 incorporated by reference)

10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

3.9%

_ -----

12 TYPE OF REPORTING PERSON*

PN

_ _______

*SEE INSTRUCTION BEFORE FILLING OUT!

CUSIP NO. 032332504

SCHEDULE 13G Page 6 of 8 Pages

ITEM 1 (a). NAME OF ISSUER: Amtech Systems Inc.

ITEM 1 (b). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES: 131 South Clark Drive Tempe, AZ 85281

ITEM 2 (c). NAME OF PERSON FILING:

> Kern Capital Management, LLC ("KCM"), Redpoint Partners, LP ("Redpoint"), Robert E. Kern Jr. (R. Kern) and David G. Kern (D. Kern).R. Kern, D. Kern are Principals and controlling members of KCM.R. Kern and D. Kern are the Managing Members of Innovation Partners, LLC ("Innovation"), the General Partner of Redpoint.

At present, KCM has been retained as the investment adviser to Redpoint with investment and voting discretion over the securities held by Redpoint.

ITEM 2 (b). ADDRESS OR PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE: The address of the principal business office of each reporting person is: 114 West 47th Street, Suite 1926, New York, NY 10036.

ITEM 2 (c). CITIZENSHIP:

Reference is made to Item 4 of each of the cover page of this Schedule, which Items are incorporated by reference herein.

ITEM 2 (d). TITLE OF CLASS OF SECURITIES:

Common Stock

ITEM 2 (e). CUSIP NUMBER:

032332504

ITEM 3 (e) THE PERSONS FILING THIS SCHEDULE, PURSUANT TO

PARAGRAPH 240.13d-1(b) ARE A:

(X) Investment Advisor registered under section 203 of the Investment Advisors Act of 1940.

ITEM 4. OWNERSHIP:

Reference is made to Items 5-9 and 11 of cover pages which Items are incorporated by reference herein.

R. Kern and D. Kern as controlling members of KCM may be

deemed the beneficial owner of the securities of the company owned by KCM as of October 31, 2006 in that they might be deemed to share the power to direct the voting or disposition of the securities. Neither the filing of this Schedule nor any of its contents shall be deemed to constitute an admission that either R. Kern or D. Kern is, for any purpose, the beneficial owner of any such securities to which this Schedule relates, and such beneficial ownership is expressly denied.

R. Kern and D. Kern are the Managing Members of Innovation, which serves as the General Partner of Redpoint, and maybe deemed the beneficial owner the securities of the company owned by Redpoint as of October 31 2006. Neither the filing of this Schedule or any of its contents shall be deemed to constitute an admission that either R. Kern or D.Kern is, for any purpose, the beneficial owner of any such securities to which this Schedule relates, and such beneficial ownership is expressly denied.

CUSIP NO. 032332504

SCHEDULE 13G

Page 7 of 8 Pages

ITEM 5. OWNERSHIP OF MORE THAN FIVE PERCENT OR LESS OF A CLASS:

If this statement is being filed to report the fact that as of
the date here of the reporting person has ceased to be the
beneficial owner of more than five percent of the class of
securities, check the following /X/.

Not applicable.

- ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON:
 The shares reported are held in institutional accounts for the
 economic benefit of the beneficiaries of those accounts.
- ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY:

Not applicable.

- ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP: Not applicable.
- ITEM 9. NOTICE OF DISSOLUTION OF GROUP: Not applicable.
- ITEM 10. CERTIFICATION:

BY SIGNING BELOW I CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE SECURITIES REFERRED TO ABOVE WERE ACQUIRED AND ARE HELD IN THE ORDINARY COURSE OF BUSINESS AND WERE NOT ACQUIRED AND ARE NOT HELD FOR THE PURPOSE OF OR WITH THE EFFECT OF CHANGING OR INFLUENCING THE CONTROL OF THE ISSUER OF SUCH THE SECURITIES AND WERE NOT ACQUIRED AND ARE NOT HELD IN CONNECTION WITH OR AS A PARTICIPANT IN ANY TRANSACTION HAVING SUCH PURPOSES OR EFFECT.

SIGNATURE:

AFTER REASONABLE INQUIRY AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, I CERTIFY THAT THE INFORMATION SET FORTH IN THIS STATEMENT IS TRUE, COMPLETE AND CORRECT.

Kern Capital Management LLC

November 6, 2006

DATED

/s/ John J. Crimmins

By:

John J. Crimmins

Senior Vice President

Chief Financial & Operations Officer

Redpoint Partners LP

/s/ Robert E. Kern Jr.

By: ----- Robert E. Kern Jr.,

Managing Member-Innovation Partners LLC

/s/ Robert E. Kern Jr.

By: -----Robert E. Kern Jr.

CUSIP NO. 032332504

SCHEDULE 13G

Page 8 of 8 Pages

EXHIBIT 1

AGREEMENT AS TO JOINT FILING OF SCHEDULE 13G

This agreement is made pursuant to Rule 13d-1(f)(1) under the Securities and Exchange Act of 1934, as amended (the "Act"), by and among the parties listed below, each referred to herein as "Joint Filer". The Joint Filers agree that a statement of beneficial ownership as required by Section 13(d) of the Act and the Rules thereunder may be filed on each of their behalf on Schedule 13G and that said joint filing may thereafter be amended by further joint filings. The Joint Filers state that they each satisfy the requirements for making a joint filing under rule 13d-1.

Kern Capital Management LLC November 6, 2006 /s/ John J. Crimmins _____ DATED John J. Crimmins Senior Vice President Chief Financial & Operations Officer Redpoint Partners LP /s/ Robert E. Kern Jr. By: _____ Robert E. Kern Jr. Managing Member-Innovation Partners LLC /s/ Robert E. Kern Jr. _____ By: Robert E. Kern Jr. /s/ David G. Kern -----By: David G. Kern