CSP INC /MA/ Form SC 13G February 14, 2017

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

		CSP Inc.	
	(Name	of Issuer)	
	common	stock, par value \$0.01	per share
	(Title of Cla	ss of Securities)	
		126389105	
	(CUSIP	Number) September 7, 2016	
	(Date of Event Which R	equires Filing of this S	Statement)
Check the approp Schedule is file	_	the rule pursuant to wh	aich this
[X] Rule 13	d-1(b)		
[_] Rule 13	d-1(c)		
[_] Rule 13	d-1(d)		
initial filing and for any sub	on this form with resp	l be filled out for a re ect to the subject class aining information which over page.	of securities,
deemed to be "fi Act of 1934 ("Ac	led" for the purpose o t") or otherwise subje	der of this cover page s f Section 18 of the Secu ct to the liabilities of other provisions of the	rities Exchange that section
CUSIP NO. 12638	 9105	13G	 Page 2 of 8 Pages
	EPORTING PERSONS. ENTIFICATION NOS. OF A	BOVE PERSONS (entities o	only).
Renaissanc	e Technologies LLC	26-0385758	
(2) CHECK THE A	PPROPRIATE BOX IF A ME	MBER OF A GROUP (SEE INS	TRUCTIONS):

	(b) [_]			
(3)	SEC USE ONLY			
(4)	CITIZENSHIP OR PLACE OF C	PRGANIZATION		
	Delaware			
			(5)	SOLE VOTING POWER
	NUMBER OF SHARES BENEFICIALLY OWNED			195,400
	BY EACH REPORTING PERSON WITH:		(6)	SHARED VOTING POWER
				0
			(7)	SOLE DISPOSITIVE POWER
				209,228
			(8)	SHARED DISPOSITIVE POWER
				34,072
(9)	AGGREGATE AMOUNT BENEFIC	CIALLY OWNED BY EAC	H REI	PORTING PERSON
		243,300		
(10)	CHECK BOX IF THE AGGREGA	TE AMOUNT IN ROW (9) E	CLUDES CERTAIN SHARES
	(SEE INSTRUCTIONS)			[_]
(11)	PERCENT OF CLASS REPRES	ENTED BY AMOUNT IN	ROW	(9)
		6.37 %		
(12)	TYPE OF REPORTING PERSON	(SEE INSTRUCTIONS)	
		Page 2 of 8 pag	es	
		Page 3 of 8 pag		
	 IP NO. 126389105	13G		Page 3 of 8 Page
(1)	NAMES OF REPORTING PERSO	DNS.		ENTITIES ONLY).
	RENAISSANCE TECHNOLOGIES	HOLDINGS CORPORAT	ION	13-3127734
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) [_] (b) [_]			
(3)	SEC USE ONLY			

Delaware	
	(5) SOLE VOTING POWER
NUMBER OF SHARES BENEFICIALLY OWNED	195,400
BY EACH REPORTING PERSON WITH:	(6) SHARED VOTING POWER
	0
	(7) SOLE DISPOSITIVE POWER
	209,228
	(8) SHARED DISPOSITIVE POWER
	34,072
(9) AGGREGATE AMOUNT BENEFICIAL	LLY OWNED BY EACH REPORTING PERSON
24	43,300
(10) CHECK BOX IF THE AGGREGATE (SEE INSTRUCTIONS)	AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
(11) PERCENT OF CLASS REPRESENT	 IED BY AMOUNT IN ROW (9)
6	.37 %
(12) TYPE OF REPORTING PERSON (
	Page 3 of 8 pages
CUSIP NO. 126389105	13G Page 4 of 8 Page
Item 1.	
(a) Name of Issuer	
CSP Inc.	
(b) Address of Issuer's Prin	ncipal Executive Offices.
	ll, Massachusetts 01854
Item 2.	
(a) Name of Person Filing:	
	ains filed by Danaissans Tarkslania IIC
	eing filed by Renaissance Technologies LLC e Technologies Holdings Corporation ("RTHC").

(b) Address of Principal Business Office or, if none, Residence.

The principal business address of the reporting persons is:

800 Third Avenue New York, New York 10022

(c) Citizenship.

RTC is a Delaware limited liability company, and RTHC is a Delaware corporation.

(d) Title of Class of Securities.

common stock, par value \$0.01 per share

(e) CUSIP Number.

126389105

Page 4 of 8 pages

- Item 3. If this statement is filed pursuant to Rule 13d-1(b) or 13-d-2(b) or (c), check whether the person filing is a:
- (a) [_] Broker or dealer registered under section 15 of the Act.
- (b) [_] Bank as defined in section 3(a)(6) of the Act.
- (c) [_] Insurance Company as defined in section 3(a)(19) of the Act.
- (d) [_] Investment Company registered under section 8 of the Investment Company Act.
- (e) [x] Investment Adviser in accordance with Sec.240.13d-1(b) (1) (ii) (E).
- (f) [_] Employee Benefit Plan or Endowment Fund in accordance with Sec. 240.13d-1 (b) (1) (ii) (F).
- (g) [_] Parent holding company, in accordance with Sec.240.13d-1(b)(1)(ii)(G).
- (h) $[_]$ A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act.
- (i) [_] A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940.
- (j) $[_]$ Group, in accordance with Sec.240.13d-1(b)(1)(ii)(J).

Item 4. Ownership.

(a) Amount beneficially owned.

RTC: 243,300 shares

RTHC: 243,300 shares, comprising the shares beneficially owned by RTHC, because of RTHC's majority ownership of RTC.

(b) Percent of Class.

RTC: 6.37 % RTHC: 6.37 %

- (c) Number of shares as to which the person has:
 - (i) sole power to vote or to direct the vote:

RTC: 195,400 RTHC: 195,400

(ii) Shared power to vote or to direct the vote: 0

(iii) sole power to dispose or to direct the disposition of:

RTC: 209,228 RTHC: 209,228

(iv) Shared power to dispose or to direct the disposition of:

RTC: 34,072 RTHC: 34,072

Page 5 of 8 pages

Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following: [_]

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Certain funds and accounts managed by RTC have the right to receive dividends and proceeds from the sale of the securities which are the subject of this report.

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 a Group.

Not applicable

Page 6 of 8 pages

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 not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose 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.

Date: February 14, 2017

Renaissance Technologies LLC

By: Mark Silber

Executive Vice President

Renaissance Technologies Holdings Corporation

By: Mark Silber
Vice President

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See $18\ U.S.C.\ 1001$).

Page 7 of 8 Pages

EXHIBIT 99.1

AGREEMENT REGARDING JOINT FILING

UNDER RULE 13D-1(K) OF THE EXCHANGE ACT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, each of the undersigned agrees to the filing on behalf of each of a Statement on Schedule 13G, and all amendments thereto, with respect to the shares of common stock, par value \$0.01 per share of CSP Inc.

Date: February 14, 2017

Renaissance Technologies LLC

By: Mark Silber

Executive Vice President

Renaissance Technologies Holdings Corporation

By: Mark Silber Vice President

Page 8 of 8 Pages