FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Addr Koya Keizo	1 0	Person [*]		_	0	ymbol CALS CORP [(Check	tionship of Reporti all applicable) Director Officer (give title	Dwner		
(Last) C/O SYNTA PH	.ast) (First) (Middle) //O SYNTA PHARMACEUTICALS CORP.			ate of Earliest Trans 01/2010	action (Month/E)ay/Year)	X	below)		Other (specify below) elopment	
45 HARTWELI (Street) LEXINGTON	MA	02421	4. If <i>i</i>	Amendment, Date o	of Original Filed	(Month/Day/Year)	6. Indiv Line) X	vidual or Joint/Grou Form filed by On Form filed by Mo Person	e Reporting Per	son	
(City)	(State)	(Zip)									
		Table I - Nor	n-Derivative	Securities Acq	uired, Disp	osed of, or Benef	icially	Owned			
1 Title of Security	(Instr 3)	2	Transaction	2A Deemed	3	4. Securities Acquired	(A) or	5. Amount of	6 Ownership	7. Nature	

	1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	ate Execution Date, Transa		Transaction Disp Code (Instr. and s		(D) (Inst		5. Amount of Securities Beneficially Owned	6. Ownership Form: Direct (D) or Indirect (I)	of Indirect Beneficial Ownership
				Code	v	Amount	(A) or (D)	Price	Following Reported Transaction(s) (Instr. 3 and 4)	(Instr. 4)	(Instr. 4)
	Common Stock	03/01/2010		A		8,224(1)	A	\$0 ⁽¹⁾	51,269	D	

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

			(9.)	,		,		, •p,	•••••						
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)				6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Employee Stock Option (Right to Buy)	\$4.02	03/01/2010		A		76,362		(2)	03/01/2020	Common Stock	76,362	\$0	76,362	D	

Explanation of Responses:

1. Represents a restricted stock grant subject to the Issuer's lapsing forfeiture right, which lapses as to 100% of the shares on March 1, 2011, provided the Reporting Person remains employed by the Issuer on such date.

2. The option vests as to 25% of the shares on March 1, 2011 and as to an additional 6.25% of the shares on the last day of each successive three-month period thereafter.

/s/ Ann Margaret Eames,	03/03/2010
Attorney-in-Fact	03/03/2010

** Signature of Reporting Person Date

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

 * 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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