VIEAU DAVID P Form 4 October 01, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

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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).

(Print or Type Responses)

1. Name and Add VIEAU DAVI	•	rting Person *	2. Issuer Name and Ticker or Trading Symbol A123 SYSTEMS, INC. [AONE]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last) (First) (Middle			3. Date of Earliest Transaction	(eneen un appricable)			
C/O A123 SYSTEMS, INC., 321 ARSENAL STREET		NC., 321	(Month/Day/Year) 09/29/2009	_X_ Director10% Owner _X_ Officer (give title Other (specify below) Chief Executive Officer			
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
WATERTOW	N, MA 02	472	Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reportin Person			
(City)	(State)	(Zip)	Table I - Non-Derivative Securities Acq	quired, Disposed of, or Beneficially Owner			

(,)	()	Tabl	e I - Non-L	Perivative So	ecuriti	es Acqu	iirea, Disposea of	, or Beneficiall	ly Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securitie	es Acqu	uired	5. Amount of	6.	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio	on(A) or Disp	osed c	of (D)	Securities	Ownership	Indirect
(Instr. 3)		any	Code	(Instr. 3, 4	and 5)		Beneficially	Form: Direct	Beneficial
		(Month/Day/Year)	(Instr. 8)				Owned	(D) or	Ownership
							Following	Indirect (I)	(Instr. 4)
					(4)		Reported	(Instr. 4)	
					(A)		Transaction(s)		
			Code V	Amazzat	or (D)	Price	(Instr. 3 and 4)		
			Code v	Amount	(D)				
Common	09/29/2009		S	186,485	D	\$	998,515	D	
Stock	0)12)1200)		S	100,105		13.5	<i>)) 0,515</i>	D	

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

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(9-02)

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

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1. Title of	2.	3. Transaction Date		4.	5.	6. Date Exerc		7. Title a		8. Price of	9. Nu
Derivative Security (Instr. 3)	Conversion or Exercise Price of Derivative Security	(Month/Day/Year)	Execution Date, if any (Month/Day/Year)	Transactic Code (Instr. 8)	onNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)			Amount Underlyi Securitie (Instr. 3	ing es	Derivative Security (Instr. 5)	Deriv Secur Bene Own Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	or Title N of	umber		

Reporting Owners

Reporting Owner Name / Address	Relationships							
	Director	10% Owner	Officer	Other				
VIEAU DAVID P C/O A123 SYSTEMS, INC. 321 ARSENAL STREET WATERTOWN, MA 02472	X		Chief Executive Officer					

Signatures

/s/ Eric J. Pyenson, attorney-in-fact

**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).

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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