Riley Jr. Gilbert N Form 4 March 05, 2012

FORM 4

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

OMB 3235-0287 Number:

Expires:

OMB APPROVAL

January 31,

2005

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

Estimated average burden hours per response... 0.5

if no longer subject to Section 16. Form 4 or Form 5 obligations may continue.

Check this box

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)

See Instruction

		2. Issuer Name and Ticker or Trading Symbol A123 SYSTEMS, INC. [AONE]				5	5. Relationship of Reporting Person(s) to Issuer			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)				_X_ Director		le) % Owner	
C/O A123 SYSTEMS, INC., 200 03/01/2 WEST STREET			1/2012				_X_ Officer (give title Other (specify below) below) CTO and VP of Res. and Dev.			
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)				6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person			
WALTHA	M, MA 02451							Form filed by M Person	More than One F	Reporting
(City)	(State)	(Zip)	Tal	ole I - Non-	Derivative	Secu	rities Acqu	ired, Disposed o	f, or Beneficia	ally Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)		Date, if	3. Transactic Code (Instr. 8)	4. Securit Dipor Dispos (Instr. 3, 4	ed of		5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock								603,671 (1)	D	
Common Stock	03/01/2012			S(2)	20,000	D	\$ 2.0128	513,705	I	By The Yusun Kim Riley Revocable

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

Persons who respond to the collection of **SEC 1474** information contained in this form are not (9-02)required to respond unless the form

Trust

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displays a currently valid OMB control

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

1. Title of Derivative	2.	3. Transaction Date (Month/Day/Year)		4.	5. onNumber	6. Date Exerc		7. Titl		8. Price of Derivative	9. Nu Deriv
Security (Instr. 3)	Conversion or Exercise Price of Derivative Security	(Month/Day/Tear)	any (Month/Day/Year)	Code (Instr. 8)	of			Under	rlying	Security (Instr. 5)	Secur Bene Owne Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships
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Director 10% Owner Officer Other

Riley Jr. Gilbert N C/O A123 SYSTEMS, INC. 200 WEST STREET WALTHAM, MA 02451

X

CTO and VP of Res. and Dev.

Signatures

/s/ Eric J. Pyenson, Attorney-in-Fact for Gilbert N. Riley, Jr.

03/05/2012

**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) Includes 220,336 RSUs.
- (2) The sale reported in this Form 4 was effected pursuant to a Rule 10b5-1 trading plan.

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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