PIERCE GARRETT E

Check this box

if no longer

subject to

Section 16.

Form 4 or

Form 5

Form 4

October 05, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB Number:

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SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue.

30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(City)

(Print or Type Responses)

1. Name and Address of Reporting Person * PIERCE GARRETT E

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to

Symbol

KULICKE & SOFFA INDUSTRIES

(Check all applicable)

INC [KLIC]

(Last) (First)

1005 VIRGINIA DRIVE

3. Date of Earliest Transaction

X Director 10% Owner Officer (give title Other (specify

(Month/Day/Year)

10/01/2009

4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line)

X Form filed by One Reporting Person

Form filed by More than One Reporting

Person

Issuer

below)

(Street)

(State)

FORT WASHINGTON, PA US 19034

(Zip)

(Middle)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially (D) or Owned Following (Instr. 4)

6. Ownership 7. Nature of Form: Direct Indirect Beneficial Indirect (I) Ownership (Instr. 4)

(A)

Reported Transaction(s)

or (Instr. 3 and 4) Price

Common 10/01/2009 Stock

Code V Amount (D) 5,348 Α (1)

\$0 59,461 D

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

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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 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)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D)			7. Title Amoun Underly Securiti (Instr. 3	t of ying es	8. Price of Derivative Security (Instr. 5)	
				Code V	(Instr. 3, 4, and 5) (A) (D)	Date Exercisable	Expiration Date	Title N	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
PIERCE GARRETT E							
1005 VIRGINIA DRIVE	X						
FORT WASHINGTON PA US 19034							

Signatures

Susan L. Waters, Attorney-in-Fact for Garrett Pierce

Date

10/05/2009

**Signature of Reporting Person

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) Quarterly stock grant pursuant to the 2009 Equity 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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