PIERCE GARRETT E

Form 4

October 12, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

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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

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 * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading PIERCE GARRETT E Issuer Symbol **KULICKE & SOFFA INDUSTRIES** (Check all applicable) INC [KLIC] (Last) (First) (Middle) 3. Date of Earliest Transaction _X__ Director 10% Owner _ Other (specify Officer (give title (Month/Day/Year) below) 1005 VIRGINIA DRIVE 10/07/2010 (Street) 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 FORT WASHINGTON, PA US Person

19034

(State)

(Zip)

(City)	(State)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned								
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securitie	es Acquire	d 5. Amount of	6. Ownership	7. Nature of		
Security	(Month/Day/Year)	Execution Date, if	Transaction(A) or Disposed of			Securities	Form: Direct	Indirect		
(Instr. 3)		any	Code	(D)		Beneficially	(D) or	Beneficial		
		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4	and 5)	Owned	Indirect (I)	Ownership		
						Following	(Instr. 4)	(Instr. 4)		
				,	(A)	Reported				
					(A)	Transaction(s)				
			Code V		or (D) Pric	e (Instr. 3 and 4)				
Common Stock	10/07/2010		S	614 <u>(1)</u> I	5 6.48	71,856	D			
Common Stock	10/07/2010		S	1,300 I	5 \$ 6.49	70,556	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)

1. Title of	2.	3. Transaction Date		4.	5.	6. Date Exerc		7. Titl	e and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	onNumber	Expiration D	ate	Amou	int of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ities	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Own
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									Amount		
									Amount		
						Date	Expiration	Title	or Number		
						Exercisable Date	Date				
				C 1 W	(A) (D)				of		
				Code V	(A) (D)				Shares		

Reporting Owners

Relationships Reporting Owner Name / Address 10% Owner Officer Other

Director

PIERCE GARRETT E 1005 VIRGINIA DRIVE X FORT WASHINGTON, PA US 19034

Signatures

Susan L. Waters, Attorney-in-Fact for Garrett E. 10/12/2010 Pierce

> **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) The shares covered by this Form 4 were sold pursuant to a Rule 10b5-1(c) sales plan dated December 18, 2009.

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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