Livingston Jason Form 4 March 11, 2010

FORM 4

OMB APPROVAL

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

OMB Number: 3235-0287

Check this box if no longer subject to Section 16. Form 4 or STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

Expires: January 31, 2005

SECURITIES

Estimated average burden hours per response... 0.5

Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

(Print or Type Responses)

1. Name and Addr Livingston Jaso	•	ng Person *	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer		
			KULICKE & SOFFA INDUSTRIES INC [KLIC]	(Check all applicable)		
(Last) (First) (Middle) 1005 VIRGINIA DRIVE (Street)			3. Date of Earliest Transaction	Director 10% Owner Negligible of the control of the		
			(Month/Day/Year) 03/09/2010			
			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
FORT WASHI	NGTON, P	A US	Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

(City)	(State)	${\bf (Zip)} \qquad \qquad {\bf Table~I-Non-Derivative~Securities~Acquired, Disposed~of, or~Beneficially~Owned}$							
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securit or 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	03/09/2010		S	7,200 (1)	D	\$ 7.1084	241,560	I	By OE Holdings Inc., formerly Orthodyne Electronics Inc.
Common Stock	03/09/2010		S	10,000 (2)	D	\$ 7.1039	423,686	D	
Common Stock	03/10/2010		S	7,200 (1)	D	\$ 7.3806	234,360	I	By OE Holdings

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								Inc., formerly Orthodyne Electronics Inc.	
Common Stock 03/10/20	10	S	10,000 (2)	D	\$ 7.3903	413,686	D		
Common Stock						690	I	By Kulicke and Soffa Incentive Savings Plan	
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									
			infor requi	m are not	SEC 1474 (9-02)				

 $\label{thm:convergence} \begin{tabular}{ll} Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned \\ (e.g., puts, calls, warrants, options, convertible securities) \end{tabular}$

number.

D Se	. Title of Derivative ecurity (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. Transac Code (Instr. 8	5. tionNumber of) Derivati Securitic Acquirer (A) or Disposer of (D) (Instr. 3, 4, and 5)	(Month/Day we es d	Date	Amou Under Secur	le and unt of rlying rities . 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secun Bene Own 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							
1	Director	10% Owner	Officer	Other				
Livingston Jason			VP					
1005 VIRGINIA DRIVE			Wedge					
FORT WASHINGTON, PA US 19034			Bonding					

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Signatures

Susan L. Waters, Attorney-in-Fact for Jason Livingston

03/11/2010

**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 of OE Holdings Inc., dated August 17, 2009.
- (2) The shares covered by this Form 4 were sold pursuant to a Rule 10b5-1(c) sales plan dated August 17, 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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