

Bareket Ran
 Form 3
 August 14, 2009

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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 Address of Reporting Person *		2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Â Bareket Ran		(Month/Day/Year)	KULICKE & SOFFA INDUSTRIES INC [KLIC]	
(Last)	(First)	(Middle)	08/05/2009	
1005 VIRGINIA DRIVE			4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)			(Check all applicable)	
FORT			<input type="checkbox"/> Director	<input type="checkbox"/> 10% Owner
WASHINGTON, Â PA Â 19034			<input checked="" type="checkbox"/> Officer	<input type="checkbox"/> Other
(City)	(State)	(Zip)	(give title below)	(specify below)
			Interim Prin. Acctg. Officer	
				6. Individual or Joint/Group Filing(Check Applicable Line)
				<input checked="" type="checkbox"/> Form filed by One Reporting Person
				<input type="checkbox"/> Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	9,737	D	Â
Common Stock	2,827	I	By Kulicke and Soffa Incentive Savings Plan

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of	5. Ownership Form of Derivative	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Derivative Security	Security: Direct (D) or Indirect (I) (Instr. 5)	
Options to buy - Option Plan	Â (1)	10/19/2010	Common Stock	3,500	\$ 14.375	D	Â
Options to buy - Option Plan	Â (2)	11/20/2011	Common Stock	4,000	\$ 16.12	D	Â
Options to buy - Option Plan	Â (3)	10/07/2013	Common Stock	8,100	\$ 12.05	D	Â
Options to buy - Option Plan	Â (4)	10/29/2014	Common Stock	12,475	\$ 7.14	D	Â
Options to buy - Option Plan	Â (5)	10/03/2016	Common Stock	6,640	\$ 8.5	D	Â
Options to buy - Option Plan	Â (6)	10/02/2017	Common Stock	6,300	\$ 8.74	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Bareket Ran 1005 VIRGINIA DRIVE FORT WASHINGTON, PA 19034	Â	Â	Â Interim Prin. Acctg. Officer	Â

Signatures

/s/ Susan L. Waters, Attorney-in-Fact for Ran Bareket 08/14/2009

__Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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) 3,500 options currently exercisable.
- (2) 4,000 options currently exercisable.
- (3) 8,100 options currently exercisable.
- (4) 8,325 options currently exercisable and 4,150 options each become exercisable on 10/29/09.
- (5) 4,426 options currently exercisable and 2,214 options each become exercisable on 10/3/09.
- (6) 2,100 options currently exercisable and 2,100 options each become exercisable on 10/2/09 and 10/2/10.

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.