if no los subject Section Form 4 Form 5 obligati may co <i>See</i> Inst 1(b).	, 2018 VI 4 UNITED this box nger to 16. or Filed pu Section 17	MENT O	Wa F CHA Section Public U	ashington NGES IN SECU 16(a) of t Utility Ho	n, D.C. 2 N BENEI (RITIES the Secur olding Co	0549 FICL	AL OWN Exchange	OMMISSION NERSHIP OF Act of 1934, 1935 or Section 0	OMB Number: Expires: Estimated ar burden hour response	0	
(Print or Type	e Responses)										
1. Name and Ronaghi M	Address of Reporting Iostafa	g Person <u>*</u>	Symbol	er Name a MINA IN				5. Relationship of I Issuer	Reporting Perso	on(s) to	
(Last)	(First) ((Middle)		of Earliest '				(Check	all applicable))	
(Mo								below)	XOfficer (give titleOther (specify		
								6. Individual or Joi Applicable Line)	nt/Group Filing	g(Check	
Filed(Mor SAN DIEGO, CA 92122				onui/Day/TC				_X_ Form filed by Or	C_Form filed by One Reporting Person Form filed by More than One Reporting		
(City)	(State)	(Zip)	Tal	ble I - Non	-Derivativ	e Secu	rities Acqu	iired, Disposed of,	or Beneficiall	y Owned	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)		Date, if	3. Transactic Code (Instr. 8)	4. Securit orDisposed (Instr. 3,	of (D))	or 5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common				Code V	Amount 10,000	(D)	Price	(Instr. 3 and 4)			
Stock	10/10/2018			Μ	(1) (1)	А	\$ 37.04	80,805	D		
Common Stock	10/10/2018			S	461 <u>(1)</u>	D	\$ 305.217 (2)	1 79,644	D		
Common Stock	10/10/2018			S	700 <u>(1)</u>	D	\$ 306.592 (<u>3)</u>	9 80,105	D		
Common Stock	10/10/2018			S	900 <u>(1)</u>	D	\$ 307.693 (4)	3 78,744	D		

Common Stock	10/10/2018	S	1,000 (1)	D	\$ 308.573 (5)	77,744	D
Common Stock	10/10/2018	S	1,800 (1)	D	\$ 309.965 (6)	75,944	D
Common Stock	10/10/2018	S	900 <u>(1)</u>	D	\$ 310.8444 (7)	75,044	D
Common Stock	10/10/2018	S	1,209 (1)	D	\$ 311.7298 (8)	73,835	D
Common Stock	10/10/2018	S	100 (1)	D	\$ 312.74 (<u>9)</u>	73,735	D
Common Stock	10/10/2018	S	200 (1)	D	\$ 314.46 (10)	73,535	D
Common Stock	10/10/2018	S	789 <u>(1)</u>	D	\$ 316.2748 (11)	72,746	D
Common Stock	10/10/2018	S	400 (1)	D	\$ 317.035 (12)	72,346	D
Common Stock	10/10/2018	S	741 <u>(1)</u>	D	\$ 318.3692 (13)	71,605	D
Common Stock	10/10/2018	S	500 <u>(1)</u>	D	\$ 320.124 (14)	71,105	D
Common Stock	10/10/2018	S	200 (1)	D	\$ 321.545 (15)	70,905	D
Common Stock	10/10/2018	S	100 (1)	D	\$ 322.25 (16)	70,805	D

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

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 Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative			4. Transacti	5. Number of orDerivative	6. Date Exercisable and Expiration Date	7. Title and Amou Underlying Securi			
Security	or Exercise	· · ·	any	Code	Securities	(Month/Day/Year)	(Instr. 3 and 4)		
(Instr. 3)	tr. 3) Price of (Month/Day/Year)		(Instr. 8)	(Instr. 8) Acquired (A)					
	Derivative				or Disposed of				
	Security				(D)				
					(Instr. 3, 4,				
					and 5)				

			Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amo or Nun of S
Non-qualified Stock Option (Right to Buy)	\$ 37.04	10/10/2018	М			10,000 (1)	02/27/2010	01/27/2020	Common Stock	10,

Reporting Owners

Reporting Owner Name / Address	Relationships							
	Director	10% Owner	Officer	Other				
Ronaghi Mostafa 5200 ILLUMINA WAY SAN DIEGO, CA 92122			Sr VP & CTO					
Signatures								
By: Scott M. Davies for Mosta Ronaghi	fa	10/12	2/2018					
**Signature of Reporting Person		Da	ate					

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 sale was made pursuant to a 10b5-1 plan.
- (2) Weighted average sale price representing 461 shares sold ranging from \$304.69 to \$305.59 per share. Number of shares sold at each separate price will be made available to the SEC staff, the issuer, or a security holder of the issuer upon request.
- (3) Weighted average sale price representing 700 shares sold ranging from \$306.18 to \$307.02 per share. Number of shares sold at each separate price will be made available to the SEC staff, the issuer, or a security holder of the issuer upon request.
- (4) Weighted average sale price representing 900 shares sold ranging from \$307.30 to \$308.18 per share. Number of shares sold at each separate price will be made available to the SEC staff, the issuer, or a security holder of the issuer upon request.
- Weighted average sale price representing 1,000 shares sold ranging from \$308.33 to \$308.95 per share. Number of shares sold at each separate price will be made available to the SEC staff, the issuer, or a security holder of the issuer upon request.
- (6) Weighted average sale price representing 1,800 shares sold ranging from \$309.40 to \$310.34 per share. Number of shares sold at each separate price will be made available to the SEC staff, the issuer, or a security holder of the issuer upon request.
- (7) Weighted average sale price representing 900 shares sold ranging from \$310.44 to \$311.34 per share. Number of shares sold at each separate price will be made available to the SEC staff, the issuer, or a security holder of the issuer upon request.
- (8) Weighted average sale price representing 1,209 shares sold ranging from \$311.44 to \$312.41 per share. Number of shares sold at each separate price will be made available to the SEC staff, the issuer, or a security holder of the issuer upon request.
- (9) Weighted average sale price representing 100 shares sold ranging from \$312.74 to \$312.74 per share. Number of shares sold at each separate price will be made available to the SEC staff, the issuer, or a security holder of the issuer upon request.
- (10) Weighted average sale price representing 200 shares sold ranging from \$314.46 to \$314.46 per share. Number of shares sold at each separate price will be made available to the SEC staff, the issuer, or a security holder of the issuer upon request.
- (11) Weighted average sale price representing 789 shares sold ranging from \$315.76 to \$316.75 per share. Number of shares sold at each separate price will be made available to the SEC staff, the issuer, or a security holder of the issuer upon request.
- (12) Weighted average sale price representing 400 shares sold ranging from \$316.86 to \$317.16 per share. Number of shares sold at each separate price will be made available to the SEC staff, the issuer, or a security holder of the issuer upon request.

- (13) Weighted average sale price representing 741 shares sold ranging from \$317.99 to \$318.96 per share. Number of shares sold at each separate price will be made available to the SEC staff, the issuer, or a security holder of the issuer upon request.
- (14) Weighted average sale price representing 500 shares sold ranging from \$319.61 to \$320.49 per share. Number of shares sold at each separate price will be made available to the SEC staff, the issuer, or a security holder of the issuer upon request.
- (15) Weighted average sale price representing 200 shares sold ranging from \$321.05 to \$322.04 per share. Number of shares sold at each separate price will be made available to the SEC staff, the issuer, or a security holder of the issuer upon request.
- (16) Weighted average sale price representing 100 shares sold ranging from \$322.25 to \$322.25 per share. Number of shares sold at each separate price will be made available to the SEC staff, the issuer, or a security holder of the issuer upon request.

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.