

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL

OMB Number: 3235-0287
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 hours per response 0.5

Check this box if no longer
 subject to Section 16. Form 4 or
 Form 5 obligations may continue.
 See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person* Sciammas, Maurice (Last) (First) (Middle) 5808 Lake Washington Blvd NE (Street) Kirkland, WA 98033 (City) (State) (Zip)			2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS (MPWR) 3. Date of Earliest Transaction Required to be Reported (Month/Day/Year) 02/04/2020 4. If Amendment, Date Original Filed(Month/Day/Year)		5. Relationship of Reporting Person(s) to Issuer (Check all applicable) _____ Director _____ 10% Owner <u> X </u> Officer (give title below) _____ Other (specify below) Sr. V.P.of Sales and Marketing 6. Individual or Joint/Group Filing (Check Applicable Line) <u> X </u> Form filed by One Reporting Person _____ Form filed by More than One Reporting Person
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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. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			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)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	02/04/20 (1)		M (1)		19,200 (1)	A	\$0.0000	338,552	D	
Common Stock	02/04/20		A		74,894 (2)	A	\$30.0000	413,446	D	
Common Stock	02/06/20		S (3)		21,537	D	\$183.7523	391,909	D	
Common Stock								2,000	I	by Family Trust

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

* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

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 control Number.

(Over)
 SEC 1474 (11-11)

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

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. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V			Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
						(A)	(D)								
Restricted Stock Units	(1)	02/04/20		M			19,200	(1)	(1)	Common Stock	19,200	\$0.0000	0	D	

Explanation of Responses:
See continuation page(s) for footnotes

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations.
 See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

By: Saria Tseng For: Maurice Sciammas
 ** Signature of Reporting Person

02/06/2020
 Date

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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5808 Lake Washington Blvd NE
Kirkland, WA 98033

- (1) On October 25, 2018, the reporting person was granted a target number of 9,600 performance units and can earn up to a maximum of 48,000 performance units subject to satisfaction of five stock price targets ranging from \$140 to \$172 over the performance periods from October 25, 2018 to December 31, 2023, as determined by the Board's Compensation Committee. All performance units are subject to time based vesting and require service through January 1, 2024 or an earlier change in control. Once vested, performance units convert into shares of common stock on a 1-for-1 basis and one-third of the shares have no sales restrictions and are sellable on January 1, 2024, one-third of the shares have sales restrictions until January 1, 2025 and one-third have sales restrictions until January 1, 2026. On February 4, 2020, the fourth and fifth price targets had been met and approved by the Compensation Committee, which resulted in 19,200 units being credited, subject to time based vesting above.
- (2) On February 7, 2018, the reporting person was granted a target of 25,245 shares of restricted stock units, with the right to earn up to 300% of the target shares, subject to satisfaction of pre-determined, performance-based vesting criteria. On February 4, 2020, the Company's Compensation Committee of the Board of Directors determined and approved the achievement of the performance criteria for the restricted stock units, which resulted in 49,649 additional shares being earned by the reporting person. Of the restricted stock units that were awarded, 37,448 will vest immediately and 37,446 will vest quarterly in the next two years.
- (3) The reported sales were to cover taxes upon the vesting of restricted stock units, as required by the Company's equity incentive plans.

