Barker Steven Form 4 August 13, 2018

FORM 4

OMB APPROVAL UNITED STATES SECURITIES AND EXCHANGE COMMISSION **OMB**

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obligations may continue. See Instruction

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

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Barker Steven			2. Issuer Name and Ticker or Trading Symbol MASIMO CORP [MASI]	5. Relationship of Reporting Person(s) to Issuer		
(Last) (First) (Middle		(Middle)	3. Date of Earliest Transaction	(Check all applicable)		
			(Month/Day/Year)	X Director 10% Owner		
C/O MASIMO CORPORATION, 52 DISCOVERY			08/09/2018	Officer (give title Other (specify below) below)		
	(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		
IRVINE, CA 92618				Form filed by More than One Reporting Person		

IRV	INE,	CA	9261	8

(State)

(City)

(3)	(*****)	1 abi	e I - Non-D	erivative i	securi	ties Acqu	nrea, Disposea oi	, or Beneficiali	y Ownea
1.Title of Security	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if	3. Transactio	4. Securit		•	5. Amount of Securities	6. Ownership	7. Nature of Indirect
(Instr. 3)		any	Code	(Instr. 3, 4	and 5	5)	Beneficially	Form: Direct	Beneficial
		(Month/Day/Year)	(Instr. 8)				Owned	(D) or	Ownership
							Following	Indirect (I)	(Instr. 4)
					(A)		Reported	(Instr. 4)	
					or		Transaction(s)		
			Code V	Amount	(D)	Price	(Instr. 3 and 4)		
Common Stock	08/09/2018		M	10,000	A	\$ 30.06	74,832	D	
Common Stock	08/09/2018		S <u>(1)</u>	10,000	D	\$ 110	64,832	D	

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

(Zip)

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Table I. Non-Devination Committee Assuring Dispersed of an Development

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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 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 or 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 Ar Underlying Se (Instr. 3 and 4)
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title [
Non-Qualified Stock Option (Right to Buy)	\$ 30.06	08/09/2018		M	10,000	02/22/2012(2)	02/22/2021	Common Stock

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Barker Steven C/O MASIMO CORPORATION 52 DISCOVERY IRVINE, CA 92618	X						

Signatures

/s/ David J. Van Ramshorst,
Attorney-In-Fact

**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).
- The shares covered by this Form 4 were exercised and sold pursuant to a Rule 10b5-1 Sales Plan dated as of August 23, 2017 and (1) amended on September 11, 2017, which is intended to comply with Rule 10b5-1 promulgated under the Securities Exchange Act of 1934, as amended.
- (2) This option was granted on February 22, 2011 and is exercisable as the option vests. The option vested over a five year period, with 20% of the shares subject to the option vesting on each anniversary of the grant date.

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.

Reporting Owners 2