Chiocchi Adriana Form 4 August 04, 2009

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.

Expires: January 31,

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Estimated average burden hours per response... 0.5

Form 4 or Form 5 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

1(b).

(City)

(Ctota)

(7:-

(Print or Type Responses)

1. Name and Address of Reporting Person * Chiocchi Adriana			2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
			MONOLITHIC POWER SYSTEMS INC [MPWR]	(Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	Director 10% Owner			
6409 GUADALUPE MINES ROAD (Street)		ES ROAD	(Month/Day/Year) 08/04/2009	X Officer (give title Other (specify below) Senior V.P. and CLO			
			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			
SAN JOSE, CA 95120				Form filed by More than One Reporting Person			

(City)	(State)	(Zip) Tab	le I - Non-l	Derivative (Secui	rities Acqui	red, Disposed of,	or Beneficiall	y Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securiti	ies Ac	equired (A)	5. Amount of	6.	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio	omr Dispose	ed of	(D)	Securities	Ownership	Indirect
(Instr. 3)		any	Code	(Instr. 3, 4	and	5)	Beneficially	Form:	Beneficial
		(Month/Day/Year)	(Instr. 8)				Owned	Direct (D)	Ownership
							Following	or Indirect	(Instr. 4)
					(A)		Reported	(I)	
					(A)		Transaction(s)	(Instr. 4)	
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
C			Code v		(D)				
Common	08/04/2009		F	2,086	D	\$	11,608	D	
Stock				(1)		22.7509	,	_	

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.

SEC 1474

(9-02)

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

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1. Title of	2.	3. Transaction Date		4.	5.	6. Date Exerc		7. Title		8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	onNumber	Expiration D	ate	Amour		Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underl	ying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securit	ies	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Owne
	Security				Acquired						Follo
	·				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
					,)						
									Amount		
						Date	Expiration		or		
						Exercisable	Date	Title	Number		
									of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Chiocchi Adriana 6409 GUADALUPE MINES ROAD

Senior V.P. and CLO

Signatures

SAN JOSE, CA 95120

By: Rick Neely For: Adriana
Chiocchi

08/04/2009

**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) Shares sold to pay tax obligations resulting from the vesting of restricted stock.

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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