

SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

SCHEDULE 13G/A  
(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT  
TO RULES 13d-1(b), (c) AND (d) AND AMENDMENTS THERETO FILED  
PURSUANT TO 13d-2

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August 31, 2006

CHECK THE APPROPRIATE BOX TO DESIGNATE THE RULE  
PURSUANT TO WHICH THIS SCHEDULE IS FILED:

[ x ] Rule 13d-1(b)  
[ ] Rule 13d-1(c)  
[ ] Rule 13d-1(d)

AMENDMENT NO. 5

MONOLITHIC POWER SYSTEMS INC.

-----  
(Name of Issuer)

COMMON STOCK

-----  
(Title of Class of Securities)

609839105

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(CUSIP Number)

CUSIP Number 609839105

1) NAME OF REPORTING PERSON

S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

J. & W. SELIGMAN & CO. INCORPORATED  
13-3043476

2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) / /  
(b) / x /

3) SEC USE ONLY

4) CITIZENSHIP OR PLACE OF ORGANIZATION

DELAWARE

NUMBER OF SHARES	(5) SOLE VOTING POWER	-0-
BENEFICIALLY OWNED	(6) SHARED VOTING POWER	3,028,105*
BY EACH REPORTING		
PERSON WITH	(7) SOLE DISPOSITIVE POWER	-0-
	(8) SHARED DISPOSITIVE POWER	3,028,105*

9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

3,028,105\*

10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES / /

11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

10.09%

12) TYPE OF REPORTING PERSON

IA, CO

J. & W. Seligman & Co. Incorporated (JWS), as investment adviser for Seligman Communications and Information Fund, Inc. (the Fund), may be deemed to beneficially own the shares reported herein by the Fund. Accordingly, the shares reported herein by JWS include those shares separately reported herein by the Fund.

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CUSIP Number 609839105

1) NAME OF REPORTING PERSON

S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

WILLIAM C. MORRIS

2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) / /  
(b) / x /

3) SEC USE ONLY

4) CITIZENSHIP OR PLACE OF ORGANIZATION

UNITED STATES

NUMBER OF SHARES	(5) SOLE VOTING POWER	-0-
BENEFICIALLY OWNED	(6) SHARED VOTING POWER	3,028,105*
BY EACH REPORTING	(7) SOLE DISPOSITIVE POWER	-0-
PERSON WITH	(8) SHARED DISPOSITIVE POWER	3,028,105*

9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

2,075,600\*

10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES / /

11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

10.09%

12) TYPE OF REPORTING PERSON

IN

\* William C. Morris, as the owner of a majority of the outstanding voting securities of J. & W. Seligman & Co. Incorporated (JWS), may be deemed to beneficially own the shares reported herein by JWS. Accordingly, the shares reported herein by William C. Morris include those shares separately reported herein by JWS.

CUSIP Number 609839105

1) NAME OF REPORTING PERSON

S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

Seligman Communications & Information Fund, Inc.  
13-31544499

2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) / /  
(b) / x /

3) SEC USE ONLY

4) CITIZENSHIP OR PLACE OF ORGANIZATION

Maryland

(5) SOLE VOTING POWER -0-

NUMBER OF SHARES

BENEFICIALLY OWNED (6) SHARED VOTING POWER 1,500,000

BY EACH REPORTING

PERSON WITH

(7) SOLE DISPOSITIVE POWER -0-

(8) SHARED DISPOSITIVE POWER 1,500,000

9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,500,000

10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES / /

11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

5.00

12) TYPE OF REPORTING PERSON

IC

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Item 1(a) Name of Issuer:

MONOLITHIC POWER SYSTEM INC.

Item 1(b) Address of Issuer's Principal Executive Offices:

983 UNIVERSITY AVENUE  
BLDG A  
LOS GATOS, CA 95032

Item 2(a) Name of Person Filing:

- (1) J. & W. SELIGMAN & CO. INCORPORATED (JWS)
- (2) WILLIAM C. MORRIS (Mr. Morris)
- (3) SELIGMAN COMMUNICATIONS & INFORMATION FUND, INC. (the Fund)

Item 2(b) Address or Principal Business Office or, if none, Residence:

100 PARK AVENUE  
NEW YORK, NEW YORK 10017

Item 2(c) Citizenship:

- (1) DELAWARE CORPORATION
- (2) UNITED STATES
- (3) MARYLAND

Item 2(d) Title of Class of Securities:

COMMON STOCK

Item 2(e) CUSIP Number:

609839105

Item 3 If this statement is filed pursuant to Rules 13d-1(b), or 13d-2(b), check whether the person is filing as a:

JWS is an investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E). Mr. Morris is a control person of JWS in accordance with Rule 13d-1(b)(1)(ii)(G). The Fund is an Investment Company registered under Section 8 of the Investment Company Act of 1940.

Item 4 Ownership.

Incorporated by reference to Items (5)-(9) and (11) of the cover page pertaining to each reporting person.

JWS, as investment adviser for the Fund, may be deemed to beneficially own the shares reported herein by the Fund. Accordingly, the shares reported herein by JWS include those shares separately reported herein by the Fund.

Mr. Morris, as the owner of a majority of the outstanding voting securities of JWS, may be deemed to beneficially own the shares reported herein by JWS. Accordingly, the shares reported herein by Mr. Morris include those shares separately reported herein by JWS.

Item 5 Ownership of Five Percent or Less of a Class.

NOT APPLICABLE

Item 6 Ownership of More than Five Percent on Behalf of Another Person.

The shares reported herein by JWS include those shares separately reported herein by the Fund.

Item 7 Identification and Classification of the Subsidiary which acquired the security being reported on by the Parent Holding Company.

NOT APPLICABLE

Item 8 Identification and Classification of Members of the Group.

NOT APPLICABLE

Item 9 Notice of Dissolution of Group.

NOT APPLICABLE

Item 10 Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business and were not acquired for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transaction having such purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief,  
I certify that the information set forth in this statement is true,  
complete and correct.

DATE: September 1, 2006

J. & W. SELIGMAN & CO. INCORPORATED

BY /s/ Thomas G. Rose  
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Name: Thomas G. Rose  
Title: CFO

/s/ Frank J. Nasta  
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Frank J. Nasta, as  
Attorney-in-fact for William C. Morris

SELIGMAN COMMUNICATIONS & INFORMATION FUND, INC.

BY /s/ Thomas G. Rose  
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Name: Thomas G. Rose  
Title: Vice President

EXHIBIT

- 7.1 Agreement of Joint Filing between J. & W. Seligman & Co. Incorporated, William C. Morris and Seligman Communications & Information Fund, Inc. dated September 1, 2006.
- 7.2 Power of Attorney for William C. Morris

EXHIBIT 7.1

AGREEMENT OF JOINT FILING

J. & W. Seligman & Co. Incorporated, William C. Morris and Seligman Communications & Information Fund, Inc. hereby agree that the Statement on Schedule 13G to which this agreement is attached as an exhibit, as well as all future amendments to such Statement, shall be filed jointly on behalf of each of them. This agreement is intended to satisfy the requirements of Rule 13d-1(f)(1)(iii) under the Securities Exchange Act of 1934, as amended.

Dated: September 1, 2006

J. & W. SELIGMAN & CO. INCORPORATED

BY /s/ Thomas G. Rose  
-----

Name: Thomas G. Rose  
Title: CFO

/s/ Frank J. Nasta  
-----

Frank J. Nasta, as  
Attorney-in-fact for William C. Morris

Seligman Communications & Information Fund, Inc.

BY /s/ Thomas G. Rose

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Name: Thomas G. Rose  
Title: Vice President

EXHIBIT 7.2

POWER OF ATTORNEY FOR  
WILLIAM C. MORRIS

KNOWN ALL MEN BY THESE PRESENTS, that the undersigned hereby appoints Frank J. Nasta, attorney-in-fact and agent, with full power of substitution and resubstitution, for in name and stead, to sign and file Forms 13D and 13G promulgated under Section 13 of the Securities Exchange Act of 1934, as amended, or further Amendments thereto, and any and all applications or other documents to be filed with the Securities and Exchange Commission pertaining thereto, with full power and authority to do and perform all acts and things requisite and necessary to be done on the premises. This appointment shall be valid for the sole purpose stated above and shall be in effect and force, unless sooner revoked by me in writing.

Executed this 2nd day of February, 1998.

/s/ William C. Morris

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William C. Morris