
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**
Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

**Pursuant to Section 13 or 15(d) of
the Securities Exchange Act of 1934**

**Date of Report (date of earliest event reported):
May 15, 2007**

MONOLITHIC POWER SYSTEMS, INC.

(Exact name of Registrant as specified in its charter)

Delaware
(State or other jurisdiction of
incorporation or organization)

000-51026
(Commission File Number)

77-0466789
(I.R.S. Employer
Identification Number)

**6409 Guadalupe Mines Road
San Jose, California 95120**
(Address of principal executive offices) (Zip Code)

(408) 826-0600
(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- ☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - ☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - ☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - ☐ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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Item 8.01 Other Events.

On May 15, 2007, a verdict was rendered in the case between O2 Micro International and Monolithic Power Systems, Inc. by the United States District Court for the Northern District of California. A press release is attached herein as Exhibit 99.1.

Item 9.01. Financial Statements and Exhibits

(d) Exhibits.

<u>Exhibit No.</u>	<u>Description</u>
99.1	Press release dated May 16, 2007

EXHIBIT INDEX

Exhibit No.

Description

99.1

Press release dated May 16, 2007

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Date: May 17, 2007

By: /s/ C. Richard Neely, Jr.
C. Richard Neely, Jr.
Chief Financial Officer
(Principal Financial and Accounting Officer
and Duly Authorized Officer)



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PRESS RELEASE

For Immediate Release

**Monolithic Power Systems Wins Patent Infringement Trial
against O2 Micro Intl., All O2 Patent Claims Asserted Against
MPS Found Invalid
*MPS Customer ASUSTeK Computer Also Found Not to Infringe***

SAN JOSE, Calif., May 16, 2007 — Monolithic Power Systems (MPS) (Nasdaq: MPWR), a leading fabless manufacturer of high-performance analog and mixed-signal semiconductors, announced today that the jury from the U.S. District Court for the Northern District of California returned a verdict that all of the patent claims asserted by O2 Micro International (Nasdaq: OIIM) against MPS are invalid. The jury further found that none of the accused MPS CCFL inverter controllers – including the MP1010, 1011 and 1015 product families – literally infringes O2 Micro's patent (U.S. patent number 6,396,722). While two patent claims (claims 12 and 14) were found to infringe under the so-called doctrine of equivalents, the jury also found all asserted claims (including claim 12 and 14) to be invalid.

A judgment has not been entered in this case. We expect that the parties will file post trial motions and that O2 Micro may appeal the case to the U.S. Court of Appeals for the Federal Circuit.

The jury also found that MPS's customer ASUSTeK Computer's products incorporating MPS inverter controllers do not literally infringe the invalid patent. The judge presiding over the trial dismissed O2's patent infringement case against MPS's foundry manufacturer Advanced Semiconductor Manufacturer Corporation Limited for lack of evidence after O2 Micro rested its case.

MPS is represented in this case by Cooley Godward & Kronish LLP and Latham & Watkins LLP. MPS's trial counsel includes Mark Flagel, Tom Friel, Jim Brogan, Dean Dunlavy and Matt Brigham.

About Monolithic Power Systems, Inc.

Monolithic Power Systems, Inc. (MPS) develops and markets proprietary, advanced analog and mixed-signal semiconductors. The company combines advanced process technology with its highly experienced analog designers to produce high-performance power management integrated circuits (ICs) for DC-to-DC converters, LED drivers, Cold Cathode Fluorescent Lamp (CCFL)

backlight controllers, Class D audio amplifiers, and Linear ICs. MPS products are used extensively in computing and network communications products, LCD monitors and TVs, and a wide variety of consumer and portable electronics products. MPS partners with world-class manufacturing organizations to deliver top quality, ultra-compact, high-performance solutions through the most productive, cost-efficient channels. Founded in 1997 and headquartered in Los Gatos, California, the company has expanded its global presence with sales offices in Taiwan, China, Korea, Japan, and Europe, which operate under MPS International, Ltd.

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Monolithic Power Systems, MPS, and the MPS logo are registered trademarks of Monolithic Power Systems, Inc. in the U.S. and trademarked in certain other countries.

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