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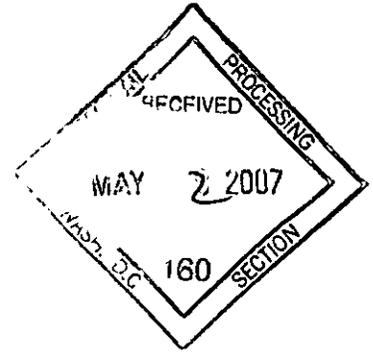


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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM D

NOTICE OF SALE OF SECURITIES
PURSUANT TO REGULATION D,
SECTION 4(6), AND/OR
UNIFORM LIMITED OFFERING EXEMPTION



Name of Offering () check if this is an amendment and name has change, and indicate change.)
Series A Preferred Stock Purchase Agreement
Filing Under (Check box(es) that apply): () Rule 504 () Rule 505 (X) Rule 506 () Section 4(6) () ULOE
Type of Filing: () New Filing () Amendment

PROCESSED

A. BASIC IDENTIFICATION DATA

1. Enter the information requested about the issuer
Name of Issuer () check if this is an amendment and name has changed, and indicate change.)
Semprius Inc.
Address of Executive Offices (Number and Street, City, State, Zip Code)
2530 Meridian Pkwy, 3rd Floor Durham, NC 27713 Telephone Number (Including Area Code)
919-806-4923
Address of Principal Business Operations (Number and Street, City, State, Zip Code)
(if different from Executive Offices) Telephone Number (Including Area Code)

MAY 16 2007
THOMSON
FINANCIAL

Brief Description of Business Commercializing a process for printing high performance single crystal semiconductors

Type of Business Organization
(X) corporate () limited partnership, already formed () other (please specify):
() business trust () limited partnership, to be formed
Actual or Estimated Date of Incorporation or Organization: Month Year
0 1 0 5 (X) Actual () Estimated
Jurisdiction of Incorporation or Organization: (Enter two-letter U.S. Postal Service abbreviation of State:
CN for Canada; FN for other foreign jurisdiction) D E

GENERAL INSTRUCTIONS

Federal:
Who Must File: All issuers making an offering of securities in reliance on an exemption under Regulation D or Section 4(6), 17 CFR 230.501 et seq. or 15 U.S.C. 77d(6).
When To File: A notice must be filed no later than 15 days after the first sale of securities in the offering. A notice is deemed filed with the U.S. Securities and Exchange Commission (SEC) on the earlier of the date it is received by the SEC at the address given below or, if received at that address after the date on which it is due, on the date it was mailed by United States registered or certified mail to that address.
Where to File: U.S. Securities and Exchange Commission, 450 Fifth Street, N.W., Washington, D.C. 20549.
Copies Required: Five (5) copies of this notice must be filed with the SEC, one of which must be manually signed. Any copies not manually signed must be photocopies of the manually signed copy or bear typed or printed signatures.
Information Required: A new filing must contain all information requested. Amendments need only report the name of the issuer and offering, any changes thereto, the information requested in Part C, and any material changes from the information previously supplied in Parts A and B. Part E and the Appendix need not be filed with the SEC.
Filing Fee: There is no federal filing fee.

State:
This notice shall be used to indicate reliance on the Uniform Limited Offering Exemption (ULOE) for sales of securities in those states that have adopted ULOE and that have adopted this form. Issuers relying on ULOE must file a separate notice with the Securities Administrator in each state where sales are to be, or have been made. If a state requires the payment of a fee as a precondition to the claim for the exemption, a fee in the proper amount shall accompany this form. This notice shall be filed in the appropriate states in accordance with state law. The Appendix to the notice constitutes a part of this notice and must be completed.

A. BASIC IDENTIFICATION DATA

2. Enter the information requested for the following:

- Each promoter of the issuer, if the issuer has been organized within the past five years;
- Each beneficial owner having the power to vote or dispose, or direct the vote or disposition of, 10% or more of a class of equity securities of the issuer;
- Each executive officer and director of corporate issuers and of corporate general and managing partners of partnership issuers; and
- Each general and managing partner of partnership issuers

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual)

Joseph Carr

Business or Resident Address (Number and Street, City, State, Zip Code)

2530 Meridian Parkway, 3rd Floor, Durham, North Carolina 27713

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual)

Dr. John Rogers

Business or Resident Address (Number and Street, City, State, Zip Code)

60 Hazelwood Drive Suite 226 Champaign, IL 61820

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual)

John Regan

Business or Resident Address (Number and Street, City, State, Zip Code)

20 North Wacker Drive Suite 1201 Chicago, IL 60606

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual)

Dr. Ralph Nuzzo

Business or Resident Address (Number and Street, City, State, Zip Code)

2413 Nottingham Ct. N., Champaign, IL 61821

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual)

Business or Resident Address (Number and Street, City, State, Zip Code)

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual)

Business or Resident Address (Number and Street, City, State, Zip Code)

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual)

Business or Resident Address (Number and Street, City, State, Zip Code)

(Use blank sheet, or copy and use additional copies of this sheet, as necessary.)

B. INFORMATION ABOUT OFFERING

- | | | |
|--|--|---|
| 1. Has the issuer sold, or does the issuer intend to sell, to non-accredited investors in his offering?..... | Yes
<input type="checkbox"/> | No
<input checked="" type="checkbox"/> |
| Answer also in Appendix, Column 2, if filing under ULOE. | | |
| 2. What is the minimum investment that will be accepted from any individual?..... | \$ 25,000 | |
| 3. Does the offering permit joint ownership of a single unit? | Yes
<input checked="" type="checkbox"/> | No
<input type="checkbox"/> |
| 4. Enter the information requested for each person who has been or will be paid or given, directly or indirectly, any commission or similar remuneration for solicitation of purchasers in connection with sales of securities in the offering. If a person to be listed is an associated person or agent of a broker or dealer registered with the SEC and/or with a state or states, list the name of the broker or dealer. If more than five (5) persons to be listed are associated persons of such a broker or dealer, you may set forth the information for that broker or dealer only | | |

Full Name (Last name first, if individual)

Business or Residence Address (Number and Street, City, State, Zip Code)

Name of Associated Broker or Dealer

State in Which Person Listed Has Solicited or Intends to Solicit Purchases

(Check "All States" or check individual States)..... All States

[AL] <input type="checkbox"/>	[AK] <input type="checkbox"/>	[AZ] <input type="checkbox"/>	[AR] <input type="checkbox"/>	[CA] <input type="checkbox"/>	[CO] <input type="checkbox"/>	[CT] <input type="checkbox"/>	[DE] <input type="checkbox"/>	[DC] <input type="checkbox"/>	[FL] <input type="checkbox"/>	[GA] <input type="checkbox"/>	[HI] <input type="checkbox"/>	[ID] <input type="checkbox"/>
[IL] <input type="checkbox"/>	[IN] <input type="checkbox"/>	[IA] <input type="checkbox"/>	[KS] <input type="checkbox"/>	[KY] <input type="checkbox"/>	[LA] <input type="checkbox"/>	[ME] <input type="checkbox"/>	[MD] <input type="checkbox"/>	[MA] <input type="checkbox"/>	[MI] <input type="checkbox"/>	[MN] <input type="checkbox"/>	[MS] <input type="checkbox"/>	[MO] <input type="checkbox"/>
[MT] <input type="checkbox"/>	[NE] <input type="checkbox"/>	[NV] <input type="checkbox"/>	[NH] <input type="checkbox"/>	[NJ] <input type="checkbox"/>	[NM] <input type="checkbox"/>	[NY] <input type="checkbox"/>	[NC] <input type="checkbox"/>	[ND] <input type="checkbox"/>	[OH] <input type="checkbox"/>	[OK] <input type="checkbox"/>	[OR] <input type="checkbox"/>	[PA] <input type="checkbox"/>
[RI] <input type="checkbox"/>	[SC] <input type="checkbox"/>	[SD] <input type="checkbox"/>	[TN] <input type="checkbox"/>	[TX] <input type="checkbox"/>	[UT] <input type="checkbox"/>	[VT] <input type="checkbox"/>	[VA] <input type="checkbox"/>	[WA] <input type="checkbox"/>	[WV] <input type="checkbox"/>	[WI] <input type="checkbox"/>	[WY] <input type="checkbox"/>	[PR] <input type="checkbox"/>

Full Name (Last name first, if individual)

Business or Residence Address (Number and Street, City, State, Zip Code)

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State in Which Person Listed Has Solicited or Intends to Solicit Purchases

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Full Name (Last name first, if individual)

Business or Residence Address (Number and Street, City, State, Zip Code)

Name of Associated Broker or Dealer

State in Which Person Listed Has Solicited or Intends to Solicit Purchases

(Check "All States" or check individual States)..... All States

[AL] <input type="checkbox"/>	[AK] <input type="checkbox"/>	[AZ] <input type="checkbox"/>	[AR] <input type="checkbox"/>	[CA] <input type="checkbox"/>	[CO] <input type="checkbox"/>	[CT] <input type="checkbox"/>	[DE] <input type="checkbox"/>	[DC] <input type="checkbox"/>	[FL] <input type="checkbox"/>	[GA] <input type="checkbox"/>	[HI] <input type="checkbox"/>	[ID] <input type="checkbox"/>
[IL] <input type="checkbox"/>	[IN] <input type="checkbox"/>	[IA] <input type="checkbox"/>	[KS] <input type="checkbox"/>	[KY] <input type="checkbox"/>	[LA] <input type="checkbox"/>	[ME] <input type="checkbox"/>	[MD] <input type="checkbox"/>	[MA] <input type="checkbox"/>	[MI] <input type="checkbox"/>	[MN] <input type="checkbox"/>	[MS] <input type="checkbox"/>	[MO] <input type="checkbox"/>
[MT] <input type="checkbox"/>	[NE] <input type="checkbox"/>	[NV] <input type="checkbox"/>	[NH] <input type="checkbox"/>	[NJ] <input type="checkbox"/>	[NM] <input type="checkbox"/>	[NY] <input type="checkbox"/>	[NC] <input type="checkbox"/>	[ND] <input type="checkbox"/>	[OH] <input type="checkbox"/>	[OK] <input type="checkbox"/>	[OR] <input type="checkbox"/>	[PA] <input type="checkbox"/>
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(Use blank sheet, or copy and use additional copies of this sheet, as necessary.)

C. OFFERING PRICE, NUMBER OF INVESTOR

1. Enter the aggregate offering price of securities included in already sold. Enter "0" if answer is "none" or "zero." check this box and already exchanged. Type of Security

Debt	Aggregate Offering Price	Amount Already Sold
Equity.....	\$ 4,150,000	\$ 4,150,000

Common Preferred

Convertible Securities (including warrants).....	\$	\$
Partnership Interests.....	\$	\$
Other (Specify _____)	\$	\$
Total	\$ 4,150,000	\$ 4,150,000

Answer also in Appendix, Column 3, if filing under ULOE.

2. Enter the number of accredited and non-accredited investors offering and the aggregate dollar amounts of their purchases. Enter "0" if answer is "none" or "zero." purchases on the total lines. Enter "0" if answer is "none" or "zero."

Accredited Investors	Number Investors	Aggregate Dollar Amount of Purchases
Non-accredited Investors	5	\$ 4,150,000
Total (for filings under Rule 504 only)	0	\$ 0

Answer also in Appendix, Column 4, if filing under ULOE.

3. If this filing is for an offering under Rule 504 or the 505, ties sold by the issuer, to date, in offerings of the types to the first sale of securities in this offering. Classify securities by type listed in Part C - Question 1

Type of offering	Rule 504	Dollar Amount Sold
Rule 505.....	_____	\$ _____
Regulation A.....	_____	\$ _____
Rule 504.....	_____	\$ _____
Total	_____	\$ _____

4. a. Furnish a statement of all expenses in connection with securities in this offering. Exclude amounts relating to future solely with The information may be given as subject to future solely with is not known, furnish an estimate and check the box to the left of the estimate

Transfer Agent's Fees	<input type="checkbox"/>	\$ _____
Printing and Engraving Costs.....	<input checked="" type="checkbox"/>	\$ 100.00
Legal Fees	<input checked="" type="checkbox"/>	\$ 100,000.00
Accounting Fees.....	<input type="checkbox"/>	\$ _____
Engineering Fees.....	<input type="checkbox"/>	\$ _____
Sales Commissions (specify finders' fees separately).....	<input type="checkbox"/>	\$ _____
Other Expenses (identify) _____	<input type="checkbox"/>	\$ _____
Total	<input type="checkbox"/>	\$ 100,100.00

C. OFFERING PRICE, NUMBER OF INVESTORS, EXPENSES AND USE OF PROCEEDS

b. Enter the difference between the aggregate offering price given in response to Part C - Question 1 and total expenses furnished in response to Part C - Question 4.a. This difference is the "adjusted gross proceeds to the issuer." \$ 4,049,900.00

5. Indicate below the amount of the adjusted gross proceeds to the issuer used or proposed to be used for each of the purposes shown. If the amount for any purpose is not known, furnish an estimate and check the box to the left of the estimate. The total of the payments listed must equal the adjusted gross proceeds to the issuer set forth in response to Part C - Question 4.b above.

	Payments to Officers, Directors & Affiliates	Payment to Others
Sales and fees.....	<input type="checkbox"/> \$ _____	<input type="checkbox"/> \$ _____
Purchase of real estate.....	<input type="checkbox"/> \$ _____	<input type="checkbox"/> \$ _____
Purchase, rental or leasing and installation of machinery and equipment.....	<input type="checkbox"/> \$ _____	<input type="checkbox"/> \$ _____
Construction or leasing of plant buildings and facilities.....	<input type="checkbox"/> \$ _____	<input type="checkbox"/> \$ _____
Acquisition of other business (including the value of securities involved in this offering that may be used in exchange for the assets or securities of another issuer pursuant to a merger).....	<input type="checkbox"/> \$ _____	<input type="checkbox"/> \$ _____
Repayment of indebtedness.....	<input type="checkbox"/> \$ _____	<input type="checkbox"/> \$ _____
Working capital.....	<input type="checkbox"/> \$ _____	<input checked="" type="checkbox"/> \$ 4,049,900.00
.....	<input type="checkbox"/> \$ _____	<input type="checkbox"/> \$ _____
Other (specify):	<input type="checkbox"/> \$ _____	<input type="checkbox"/> \$ _____
Column Totals.....	<input type="checkbox"/> \$ _____	<input checked="" type="checkbox"/> \$ 4,049,900.00
Total Payments Listed (column totals added).....		<input checked="" type="checkbox"/> \$ 4,049,900.00

D. FEDERAL SIGNATURE

The issuer has duly caused this notice to be signed by the undersigned duly authorized person. If this notice is filed under Rule 505, the following signature constitutes an undertaking by the issuer to furnish to the U.S. Securities and Exchange Commission, upon written request of its staff, the information furnished by the issuer to any non-accredited investor pursuant to paragraph (b)(2) of Rule 502.

Issuer (Print or Type) Semprius Inc.	Signature 	Date April 11, 2007
Name of Signer (print or Type) Joseph Carr	Title of Signer (Print or Type) Chief Executive Officer	

ATTENTION

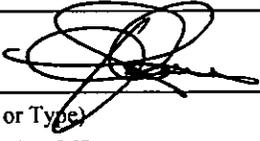
Intentional misstatements or omissions of fact constitute federal criminal violations. (See 16

E. STATE SIGNATURE

1. Is any party described in 17 CFR 230.262 presently subject to an of the disqualification provisions of such rule? Yes No
See Appendix, Column 5, for state response.

- 2. The undersigned issuer hereby undertakes to furnish to any state administrator of any state in which this notice is filed, a notice on Form D (17 CFR 239.500) at such times as required by state law.
- 3. The undersigned issuer hereby undertakes to furnish to the state administrators, upon written request, information furnished by the issuer to offerees
- 4. The undersigned issuer represents that the issuer is familiar with the conditions that must be satisfied to be entitled to the Uniform limited Offering Exemption (ULOE) of the state in which this notice is filed and understands that the issuer claiming the availability of this exemption has the burden of establishing that these conditions have been satisfied

The issuer has read this notification and knows the contents to be true and has duly caused this notice to be signed on its behalf by the undersigned duly authorized person.

Issuer (Print or Type) Semprius Inc.	Signature 	Date April 11, 2007
Name (print or Type) Joseph Carr	Title (Print or Type) Chief Executive Officer	

Instruction:
Print the name and title of the signing representative under his signature for the state portion of this form. One copy of every notice on Form D must be manually signed. Any copies not manually signed must be photocopies of the manually signed copy or bear typed or printed signatures.

APPENDIX

1 State	2 Intend to sell to non-accredited investors in State (Part B-Item 1)		3 Type of security and aggregate offering price offered in state (Part C-Item 1)	4 Type of investor and amount purchased in State (Part C-Item 2)				5 Disqualification under State ULOE (if yes, attach explanation of waiver granted) (Part E-Item 1)	
	Yes	No		Number of Accredited Investors	Amount	Number of Non-Accredited Investors	Amount	Yes	No
MT									
NE									
NV									
NH									
NJ									
NM									
NY									
NC		X	Equity	2	1,850,000				
ND									
OH									
OK									
OR									
PA									
RI									
SC									
SD									
TN									
TX		X	Equity	1	1,800,000				
UT									
VT									
VA									
WA									
WV									
WI									
WY									
PR									

END