

SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549

SCHEDULE 13G

INFORMATION STATEMENT PURSUANT TO RULES 13d-1 and 13d-2
UNDER THE SECURITIES EXCHANGE ACT OF 1934
(Amendment No. 6)

VICOR CORPORATION

(Name of Issuer)

Common Stock, Par Value \$.01 Per Share

(Title of Class of Securities)

925815 10 2

(CUSIP Number)

1. NAME OF REPORTING PERSON
 S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON
 Patrizio Vinciarelli

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) []
 (b) []

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION
 United States

5. SOLE VOTING POWER 20,984,151

NUMBER OF
 SHARES
 BENEFICIALLY
 OWNED BY
 EACH
 REPORTING
 PERSON WITH

6. SHARED VOTING POWER 0

7. SOLE DISPOSITIVE POWER 20,984,151

8. SHARED DISPOSITIVE POWER 0

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
 20,984,151

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*
 []

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
 49.0%

12. TYPE OF REPORTING PERSON*
 IN

Item 1(a). Name of Issuer:

Vicor Corporation

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

23 Frontage Road, Andover, MA 01810

Item 2(a). Name of Person Filing:

Patrizio Vinciarelli

Item 2(b). Address of Principal Business Office or, if None, Residence:

Vicor Corporation, 23 Frontage Road, Andover, MA 01810

Item 2(c). Citizenship:

United States

Item 2(d). Title of Class of Securities:

Common Stock, par value \$.01 per share

Item 2(e). CUSIP Number:

925815 10 2

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

Not applicable

Item 4. Ownership.

If the percent of the class owned, as of December 31 of the year covered by the statement, or as of the last day of any month described in Rule 13d-1 (b)(2), if applicable, exceeds five percent, provide the following information as of that date and identify those shares which there is a right to acquire.

(a) Amount beneficially owned: 20,984,151

(this amount includes 3,515 shares which the Reporting Person has the right to acquire upon the exercise of options to purchase Common Stock)

(b) Percent of class:

49.0%

(c) Number of shares as to which such person has:

(i) Sole power to vote or to direct the vote: 20,984,151

As of December 31, 1997, Mr. Vinciarelli was the beneficial owner of 9,960,503 shares of Vicor Corporation Common Stock. Additionally, he owned 11,023,648 shares of Vicor Corporation Class B Common Stock, which may be converted at any time into 11,023,648 shares of Common Stock.

(ii) Shared power to vote or to direct the vote: 0

(iii) Sole power to dispose or to direct the disposition of: 20,984,151

(iv) Shared power to dispose or to direct the disposition of: 0

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.

Not applicable.

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.

Not applicable.

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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.

Dated: January 21, 1998

/s/ Patrizio Vinciarelli

Name: Patrizio Vinciarelli
Title: Chairman of the Board, President and
Chief Executive Officer