

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM 8-A

FOR REGISTRATION OF CERTAIN CLASSES OF SECURITIES
PURSUANT TO SECTION 12(b) OR 12(g) OF THE
SECURITIES EXCHANGE ACT OF 1934

SONUS NETWORKS, INC.

(Exact Name of Registrant as Specified in its Charter)

DELAWARE

04-3387074

(State of Incorporation or Organization) (I.R.S. Employer Identification no.)

5 Carlisle Road, Westford, Massachusetts

01886

(Address of principal executive offices) (zip code)

If this form relates to the registration of a class of securities pursuant to Section 12(b) of the Exchange Act and is effective pursuant to General Instruction A.(c), please check the following box. / /

If this form relates to the registration of a class of securities pursuant to Section 12(g) of the Exchange Act and is effective pursuant to General Instruction A.(d), please check the following box. /X/

Securities Act registration statement file number to which this form relates: 333-32206

Securities to be registered pursuant to Section 12(b) of the Act:

Title of Each Class
to be so Registered

Name of Each Exchange on Which
Each Class is to be Registered

None.

Securities to be registered pursuant to Section 12(g) of the Act:

Common Stock, \$0.001 Par Value

(Title of Class)

INFORMATION REQUIRED IN REGISTRATION STATEMENT

ITEM 1. DESCRIPTION OF REGISTRANT'S SECURITIES TO BE REGISTERED

The information required by Item 202 of Regulation S-K is included under the heading "Description of Capital Stock" in the Registrant's Registration Statement on Form S-1 (File No. 333-32206), filed with the Securities and Exchange Commission on March 10, 2000 (the "Registration Statement"), including any form of the prospectus contained therein filed by the Registrant pursuant to Rule 424(b) under the Securities Act of 1933, as amended, which is incorporated herein by reference.

ITEM 2. EXHIBITS

1. The Fourth Amended and Restated Certificate of Incorporation of the Registrant is incorporated herein by reference to Exhibit 3.1 to the Registration Statement.

2. The Amended and Restated By-Laws of the Registrant are incorporated herein by reference to Exhibit 3.2 to the Registration Statement.

3. A specimen copy of the certificate representing shares of the Registrant's Common Stock is incorporated herein by reference to Exhibit 4.1 to the Registration Statement.

SIGNATURE

Pursuant to the requirements of Section 12 of the Securities Exchange Act of 1934, the registrant has duly caused this registration statement, as amended, to be signed on its behalf by the undersigned, thereto duly authorized.

SONUS NETWORKS, INC.

By: /s/ Hassan M. Ahmed

Hassan M. Ahmed
President and Chief Executive Officer

Date: April 4, 2000