

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

SCHEDULE 13D

Under the Securities Exchange Act of 1934  
(Amendment No. 1)\*

American Superconductor Corporation  
-----

(Name of Issuer)

Common Stock, \$.01 par value  
-----

(Title of Class of Securities)

030111108  
-----

(CUSIP Number)

George W. Lloyd, Esq.  
Testa, Hurwitz & Thibeault, LLP  
High Street Tower  
125 High Street  
Boston, MA 02110  
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(Name, Address and Telephone Number of Person Authorized to Receive Notices and  
Communications)

September 29, 1999  
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(Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report  
the acquisition which is the subject of this Schedule 13D, and is filing this  
schedule because of Rule 13d-1(b)(3) or (4), check the following box [].

Note: Schedules filed in paper format shall include a signed original  
and five copies of the schedule, including all exhibits. See (S)240.13d-7 for  
other parties to whom copies are to be sent.

\*The remainder of this cover page shall be filled out for a reporting person's  
initial filing on this form with respect to the subject class of securities, and  
for any subsequent amendment containing information which would alter  
disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be  
deemed to be "filed" for the purpose of Section 18 of the Securities Exchange  
Act of 1934 ("Act") or otherwise subject to the liabilities of that section  
of the Act but shall be subject to all other provisions of the Act (however,  
see the Notes).

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

CHARTH (Compagnie Holding d'Applications et de Realisations Thermiques  
et Hydrauliques) S.A.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*  
(a)   
(b)

3 SEC USE ONLY

4 SOURCE OF FUNDS\*  
WC

5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT  
TO ITEMS 2(d) or 2(e)

6 CITIZENSHIP OR PLACE OF ORGANIZATION  
France

|              |    |                          |
|--------------|----|--------------------------|
|              |    | SOLE VOTING POWER        |
| NUMBER OF    | 7  | -0-                      |
| SHARES       |    |                          |
| BENEFICIALLY | 8  | SHARED VOTING POWER      |
| OWNED BY     |    | -0-                      |
| EACH         | 9  | SOLE DISPOSITIVE POWER   |
| REPORTING    |    | -0-                      |
| PERSON       |    |                          |
| WITH         | 10 | SHARED DISPOSITIVE POWER |
|              |    | -0-                      |

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  
-0-

12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES\*

13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  
0%

14 TYPE OF REPORTING PERSON\*  
CO

\*SEE INSTRUCTIONS BEFORE FILLING OUT!  
INCLUDE BOTH SIDES OF THE COVER PAGE, RESPONSES TO ITEMS 1-7  
(INCLUDING EXHIBITS) OF THE SCHEDULE, AND THE SIGNATURE ATTESTATION.

This statement on Schedule 13D Amendment No. 1 ("Amendment No. 1") is an amendment to the Schedule 13D (filed on October 16, 1997) that was filed with the Securities and Exchange Commission on behalf of CHARTH (Compagnie Holding D'Applications et De Realisations Thermiques et Hydrauliques) S.A., a corporation organized under the laws of France ("CHARTH"). CHARTH is a wholly-owned subsidiary of Electricite de France, S.A., a corporation organized under the laws of France ("EDF").

Item 5. Interest in Securities of the Issuer

On September 28, 1999, CHARTH transferred 1,000,000 shares of Issuer's Common Stock to E.D.F. Capital Investissement, S.A., a wholly-owned subsidiary of EDF, for no consideration.

- (a) Amount Beneficially Owned:  
CHARTH beneficially owns 0 shares of Common Stock of the Issuer.

Percent of Class:

Based on shares outstanding as of June 30, 1999, CHARTH owns 0% of the outstanding Common Stock of the Issuer.

- (b) Number of shares as to which CHARTH has:
- (i) sole power to vote or direct the vote: 0 shares
  - (ii) shared power to vote or direct the vote: Not applicable.
  - (iii) sole power to dispose or to direct the disposition of: 0 shares
  - (iv) shared power to dispose or to direct the disposition of: Not applicable.

(c) Except as set forth in this Amendment No. 1, none of CHARTH, EDF, and, to the best knowledge of CHARTH and EDF, any person named in Schedules I and II, has affected any transaction in the Common Stock during the past 60 days.

- (d) Not applicable.

(e) On September 28, 1999, CHARTH ceased to be the beneficial owner of more than five percent of the Issuer's Common Stock.

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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 current.

Date: September 16, 1999

CHARTH (COMPAGNIE HOLDING  
D'APPLICATIONS ET DE REALISATIONS  
THERMIQUES ET HYDRAULIQUES) S.A.

By: /s/ Alain Bertay  
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Name: Alain Bertay  
Title: Chief Executive Officer

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SCHEDULE I  
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Executive Officers and Directors  
 of

CHARTH (Compagnie Holding d'Applications et de Realisations Thermiques et  
 Hydrauliques) S.A

| Name<br>-----        | Principal Occupation or Employment<br>----- | Name and Address of Corporation or<br>Other Organization in Which Employed<br>----- |
|----------------------|---|---|
| Paul Godin           | Chairman                                    | Electricite de France   |
| Alain Bertay         | Chief Executive Officer                     | Electricite de France   |
| Pierre Bart          | Director                                    | Electricite de France   |
| Jean-Pierre Bourdier | Director                                    | Electricite de France   |
| Loic Caperan         | Director                                    | Electricite de France   |
| Pierre Carlier       | Director                                    | Electricite de France   |
| Bernard Dupraz       | Director                                    | Electricite de France   |
| Bernard Esteve       | Director                                    | Electricite de France   |
| Jacques Chauvin      | Administrator                               | Electricite de France   |

## SCHEDULE II

Conseil D'Administration  
of  
Electricite de France, S.A.

| Name  | Principal Occupation or Employment   | Name and Address of Corporation or Other Organization in Which Employed  |
|---|--|--|
| Francois Roussely<br>Francois Ailleret<br>Andre Aurengo<br>Christophe Blanchard Dignac  | President<br>Administrator<br>Administrator<br>Administrator   | Electricite de France<br>Electricite de France<br>Lat Pitie Salpetriere<br>Ministere de l'Economie, des<br>Finances et de l'Industrie  |
| Jean-Pierre Cremona<br>Jean-Michel Charpin<br>Yannick d'Escatha<br>Daniel Foundoulis<br>Jean Gaubert<br>Nicolas Jachiet   | Administrator<br>Administrator<br>Administrator<br>Administrator<br>Administrator<br>Administrator                                   | Electricite de France<br>Commissariat au Plan<br>Commissariat a l'Energie Atomique<br>Conseil National de la Consommation<br>Depute<br>Ministere de l'Economie, des<br>Finances et de l'Industrie            |
| Jean-Marc Mauchaufee<br>Alain Martin<br>Yvon Montane<br>Louis Schweitzer<br>Robert Pantaloni<br>Marie-Catherine Polo<br>Christine Saincy<br>Jean-Francois Stoll | Administrator<br>Administrator<br>Administrator<br>Administrator<br>Administrator<br>Administrator<br>Administrator<br>Administrator | Electricite de France<br>Electricite de France<br>Depute<br>Renault<br>Electricite de France<br>Electricite de France<br>Electricite de France<br>Ministere de l'Economie, des<br>Finances et de l'Industrie |