

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

SCHEDULE 13G  
(Amendment No. 1)\*

Under the Securities Exchange Act of 1934

RPX CORPORATION

-----  
(Name of Issuer)

Common Stock, par value \$0.0001 per share

-----  
(Title of Class of Securities)

74972G103

-----  
(CUSIP Number)

December 31, 2012

-----  
(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule 13G is filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(d)

\*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 the disclosures provided in a prior cover page.

The information required in 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).

CUSIP No. 74972G103

-----  
(1) Names of Reporting Persons. I.R.S. Identification Nos. of Above Persons (entities only):

Charles River Partnership XIII, LP

-----  
(2) Check the Appropriate Box if a Member of a Group (See Instructions)

(a)  (b)

-----  
(3) SEC Use Only

-----  
(4) Citizenship or Place of Organization: Delaware

-----  
Number of Shares Beneficially Owned  
by Each Reporting Person With (5) Sole Voting Power: 0\*  
-----  
(6) Shared Voting Power: 6,280,212\*  
-----  
(7) Sole Dispositive Power: 0\*  
-----  
(8) Shared Dispositive Power: 6,280,212\*  
-----

-----  
(9) Aggregate Amount Beneficially Owned by Each Reporting Person:

6,280,212\*

-----  
(10) Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See  
Instructions): N/A  
-----

-----  
(11) Percent of Class Represented by Amount in Row (9): 12.35%\*\*  
-----

-----  
(12) Type of Reporting Person (See Instructions): 00  
-----

\*Charles River XIII GP, LLC ("CR XIII GP LLC") is the general partner of Charles River XIII GP, LP ("CR XIII GP LP"). CR XIII GP LP is in turn the General Partner of Charles River Partnership XIII, LP ("CRP XIII LP"). CR XIII GP LLC is also the general partner of Charles River Friends XIII-A, LP ("CRF XIII-A"). CR XIII GP LLC, CR XIII GP LP, CRP XIII LP and CRF XIII-A are collectively referred to as "the Partnerships." As of December 31, 2012, the Partnerships collectively owned 6,280,212 shares of the common stock, par value \$0.0001 per share (the "Common Stock") of RPX Corporation, a Delaware corporation (the "Company"), representing 6,108,753 shares held by CRP XIII and 171,459 shares held by CRF XIII-A.

\*\*Based on 50,852,548 shares of the Common Stock of the Company outstanding as of October 31, 2012, as disclosed in the Company's Quarterly Report on Form 10-Q for the fiscal quarter ended September 30, 2012.

CUSIP No. 74972G103

(1) Names of Reporting Persons. I.R.S. Identification Nos. of Above Persons (entities only):

Charles River Friends XIII-A, LP

(2) Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

(3) SEC Use Only

(4) Citizenship or Place of Organization: Delaware

Number of Shares Beneficially Owned by Each Reporting Person With

(5) Sole Voting Power: 0\*

(6) Shared Voting Power: 6,280,212\*

(7) Sole Dispositive Power: 0\*

(8) Shared Dispositive Power: 6,280,212\*

(9) Aggregate Amount Beneficially Owned by Each Reporting Person:

6,280,212\*

(10) Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions): N/A

(11) Percent of Class Represented by Amount in Row (9): 12.35%\*\*

(12) Type of Reporting Person (See Instructions): 00

\*Charles River XIII GP, LLC ("CR XIII GP LLC") is the general partner of Charles River XIII GP, LP ("CR XIII GP LP"). CR XIII GP LP is in turn the General Partner of Charles River Partnership XIII, LP ("CRP XIII LP"). CR XIII GP LLC is also the general partner of Charles River Friends XIII-A, LP ("CRF XIII-A"). CR XIII GP LLC, CR XIII GP LP, CRP XIII LP and CRF XIII-A are collectively referred to as "the Partnerships." As of December 31, 2012, the Partnerships collectively owned 6,280,212 shares of the common stock, par value \$0.0001 per share (the "Common Stock") of RPX Corporation, a Delaware corporation (the "Company"), representing 6,108,753 shares held by CRP XIII and 171,459 shares held by CRF XIII-A.

\*\*Based on 50,852,548 shares of the Common Stock of the Company outstanding as of October 31, 2012, as disclosed in the Company's Quarterly Report on Form 10-Q for the fiscal quarter ended September 30, 2012.

CUSIP No. 74972G103

(1) Names of Reporting Persons. I.R.S. Identification Nos. of Above Persons (entities only):

Charles River XIII GP, LP

(2) Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

(3) SEC Use Only

(4) Citizenship or Place of Organization: Delaware

Number of Shares Beneficially Owned by Each Reporting Person With

(5) Sole Voting Power: 0\*

(6) Shared Voting Power: 6,280,212\*

(7) Sole Dispositive Power: 0\*

(8) Shared Dispositive Power: 6,280,212\*

(9) Aggregate Amount Beneficially Owned by Each Reporting Person:

6,280,212\*

(10) Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions): N/A

(11) Percent of Class Represented by Amount in Row (9): 12.35%\*\*

(12) Type of Reporting Person (See Instructions): 00

\*Charles River XIII GP, LLC ("CR XIII GP LLC") is the general partner of Charles River XIII GP, LP ("CR XIII GP LP"). CR XIII GP LP is in turn the General Partner of Charles River Partnership XIII, LP ("CRP XIII LP"). CR XIII GP LLC is also the general partner of Charles River Friends XIII-A, LP ("CRF XIII-A"). CR XIII GP LLC, CR XIII GP LP, CRP XIII LP and CRF XIII-A are collectively referred to as "the Partnerships." As of December 31, 2012, the Partnerships collectively owned 6,280,212 shares of the common stock, par value \$0.0001 per share (the "Common Stock") of RPX Corporation, a Delaware corporation (the "Company"), representing 6,108,753 shares held by CRP XIII and 171,459 shares held by CRF XIII-A.

\*\*Based on 50,852,548 shares of the Common Stock of the Company outstanding as of October 31, 2012, as disclosed in the Company's Quarterly Report on Form 10-Q for the fiscal quarter ended September 30, 2012.

CUSIP No. 74972G103

(1) Names of Reporting Persons. I.R.S. Identification Nos. of Above Persons (entities only):

Charles River XIII GP, LLC

(2) Check the Appropriate Box if a Member of a Group (See Instructions)

(a) [ ]

(b) [X]

(3) SEC Use Only

(4) Citizenship or Place of Organization: Delaware

Number of Shares Beneficially Owned by Each Reporting Person With

(5) Sole Voting Power: 0\*

(6) Shared Voting Power: 6,280,212\*

(7) Sole Dispositive Power: 0\*

(8) Shared Dispositive Power: 6,280,212\*

(9) Aggregate Amount Beneficially Owned by Each Reporting Person:

6,280,212\*

(10) Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions): N/A

(11) Percent of Class Represented by Amount in Row (9): 12.35%\*\*

(12) Type of Reporting Person (See Instructions): 00

\*Charles River XIII GP, LLC ("CR XIII GP LLC") is the general partner of Charles River XIII GP, LP ("CR XIII GP LP"). CR XIII GP LP is in turn the General Partner of Charles River Partnership XIII, LP ("CRP XIII LP"). CR XIII GP LLC is also the general partner of Charles River Friends XIII-A, LP ("CRF XIII-A"). CR XIII GP LLC, CR XIII GP LP, CRP XIII LP and CRF XIII-A are collectively referred to as "the Partnerships." As of December 31, 2012, the Partnerships collectively owned 6,280,212 shares of the common stock, par value \$0.0001 per share (the "Common Stock") of RPX Corporation, a Delaware corporation (the "Company"), representing 6,108,753 shares held by CRP XIII and 171,459 shares held by CRF XIII-A.

\*\*Based on 50,852,548 shares of the Common Stock of the Company outstanding as of October 31, 2012, as disclosed in the Company's Quarterly Report on Form 10-Q for the fiscal quarter ended September 30, 2012.

CUSIP No. 74972G103

Item 1(a). Name Of Issuer: RPX Corporation

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

One Market Plaza, Suite 800, San Francisco, CA 94105

Item 2(a). Name of Person Filing:

Charles River Partnership XIII, LP

This Schedule 13G is also filed on behalf of Charles River XIII GP, LLC ("CR XIII GP LLC"), Charles River XIII GP, LP ("CR XIII GP LP"), and Charles River Friends XIII-A, LP ("CRF XIII-A") Information related to each of CR XIII GP LLC, CR XIII GP LP, and CRF XIII-A is set forth on Appendix A hereto.

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

c/o Charles River XIII GP, LLC  
One Broadway, 15th Floor, Cambridge, MA 02142

Item 2(c). Citizenship:

Delaware

Item 2(d). Title of Class of Securities: Common Stock, par value \$0.0001 per share

Item 2(e). CUSIP No.: 74972G103

Item 3. If This Statement Is Filed Pursuant to Sections 240.13d-1(b) or 240.13d-2(b) or (c), check whether the Person Filing is a:

Not Applicable.

Item 4. Ownership

(a) Amount Beneficially Owned (as of December 31, 2011): 6,280,212\*

(b) Percent of Class (as of December 31, 2011): 12.35%\*\*

(c) Number of Shares as to which the person has:

(i) sole power to vote or to direct the vote 0\*

(ii) shared power to vote or to direct the vote 6,280,212\*

(iii) sole power to dispose or to direct the disposition of 0\*

(iv) shared power to dispose or to direct the disposition of 6,280,212\*

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 or Control Person

Not Applicable (See Item 2(a)).

Item 8. Identification and Classification of Members of the Group

Charles River Partnership XIII, LP, Charles River Friends XIII-A, LP

Item 9. Notice of Dissolution of Group

Not Applicable.

Item 10. Certification

This certification is not required as the filing person is filing pursuant to Rule 13d-1(d).

-----  
\*Charles River XIII GP, LLC ("CR XIII GP LLC") is the general partner of Charles River XIII GP, LP ("CR XIII GP LP"). CR XIII GP LP is in turn the General Partner of Charles River Partnership XIII, LP ("CRP XIII LP"). CR XIII GP LLC is also the general partner of Charles River Friends XIII-A, LP ("CRF XIII-A"). CR XIII GP LLC, CR XIII GP LP, CRP XIII LP and CRF XIII-A are collectively referred to as "the Partnerships." As of December 31, 2012, the Partnerships collectively owned 6,280,212 shares of the common stock, par value \$0.0001 per share (the "Common Stock") of RPX Corporation, a Delaware corporation (the "Company"), representing 6,108,753 shares held by CRP XIII and 171,459 shares held by CRF XIII-A.

\*\*Based on 50,852,548 shares of the Common Stock of the Company outstanding as of October 31, 2012, as disclosed in the Company's Quarterly Report on Form 10-Q for the fiscal quarter ended September 30, 2012.

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.

February \_\_, 2013

/s/ Sarah Reed

-----  
Sarah Reed as attorney-in-fact for  
Charles River XIII GP, LLC, general  
partner of Charles River XIII GP, LP,  
general partner of Charles River  
Partnership XIII, LP

Attention: Intentional misstatements or omissions of fact constitute  
Federal criminal violations (See 18 U.S.C. 1001)

APPENDIX A

- A. Name: Charles River Friends XIII-A, LP  
Address of Principal Business Office: c/o Charles River XIII GP, LLC  
One Broadway, 15th Floor  
Cambridge, MA 02142  
  
Citizenship: Delaware
- B. Name: Charles River XIII GP, LP  
Address of Principal Business Office: c/o Charles River XIII GP, LLC  
One Broadway, 15th Floor  
Cambridge, MA 02142  
  
Citizenship: Delaware
- D. Name: Charles River XIII GP, LLC  
Address of Principal Business Office: One Broadway, 15th Floor  
Cambridge, MA 02142  
  
Citizenship: Delaware

CUSIP No. 74972G103

Each of Charles River XIII GP, LLC, Charles River XIII GP, LP, and Charles River Friends XIII-A, LP hereby agree, by their execution below, that the Schedule 13G to which this Appendix A is attached is filed on behalf of each of them, respectively.

/s/ Sarah Reed

-----

Sarah Reed as attorney-in-fact for  
Charles River XIII GP, LLC, general partner of  
Charles River Friends XIII-A, LP

February \_\_, 2013

/s/ Sarah Reed

-----

Sarah Reed as attorney-in-fact for  
Charles River XIII GP, LLC, general partner of  
Charles River XIII GP, LP

February \_\_, 2013

/s/ Sarah Reed

-----

Sarah Reed as attorney-in-fact for  
Charles River XIII GP, LLC

February \_\_, 2013

Exhibit 24

AGREEMENT TO FILE JOINTLY AND STATEMENT APPOINTING DESIGNATED FILER AND  
AUTHORIZED SIGNATORY

Each of the undersigned entities and individuals (collectively, the "Reporting Persons") hereby authorizes and designates Charles River Ventures, LLC or such other person or entity as is designated in writing by Sarah Reed (the "Designated Filer") as the beneficial owner to prepare and file on behalf of such Reporting Person individually, or jointly together with the other Reporting Persons, any and all reports, notices, communications and other documents (including, but not limited to, reports on Schedule 13D, Schedule 13G, Form 3, Form 4 and Form 5) that such Reporting Person may be required to file with the United States Securities and Exchange Commission pursuant to the Securities Act of 1933, as amended (together with the implementing regulations thereto, the "Act"), the Securities Exchange Act of 1934, as amended (together with the implementing regulations thereto, the "Exchange Act") or any other state or federal agency (collectively, the "Reports") with respect to the Reporting Person's ownership of, or transactions in, securities of any entity whose securities are beneficially owned (directly or indirectly) by such Reporting Person (collectively, the "Companies").

Each Reporting Person hereby further authorizes and designates Sarah Reed (the "Authorized Signatory") to execute and file on behalf of such Reporting Person the Reports and to perform any and all other acts, which in the opinion of the Designated Filer or Authorized Signatory may be necessary or incidental to the performance of the foregoing powers herein granted.

The authority of the Designated Filer and the Authorized Signatory under this Document with respect to each Reporting Person shall continue until such Reporting Person is no longer required to file any Reports with respect to the Reporting Person's ownership of, or transactions in, the securities of the Companies, unless earlier revoked in writing. Each Reporting Person acknowledges that the Designated Filer and the Authorized Signatory are not assuming any of the Reporting Person's responsibilities to comply with the Act or the Exchange Act.

January 30, 2013 Charles River Partnership XIII, LP  
By: Charles River XIII GP, LP  
Its General Partner  
By: Charles River XIII GP, LLC  
Its General Partner  
  
By: /s/ Izhar Armony  
-----  
Izhar Armony, Managing Member

January 30, 2013 Charles River Friends XIII-A, LP  
By: Charles River XIII GP, LLC  
Its General Partner  
  
By: /s/ Izhar Armony  
-----  
Izhar Armony, Managing Member

January 30, 2013 Charles River XIII GP, LP  
By: Charles River XIII GP, LLC  
Its General Partner  
  
By: /s/ Izhar Armony  
-----  
Izhar Armony, Managing Member

January 30, 2013 Charles River XIII GP, LLC  
  
By: /s/ Izhar Armony  
-----  
Izhar Armony, Managing Member

January 30, 2013 /s/ Izhar Armony  
-----  
Izhar Armony

January 30, 2013 /s/ Jon Auerbach  
-----

Jon Auerbach

January 30, 2013

/s/ Bruce I. Sachs

-----

Bruce I. Sachs

January 30, 2013

/s/ William P. Tai

-----

William P. Tai

January 30, 2013

/s/ George Zachary

-----

George Zachary