

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

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934

(Amendment No. 3)*

ENTEGRIS, INC.

(Name of Issuer)

COMMON STOCK, \$0.01 Par Value

(Title of Class of Securities)

29362U104

(CUSIP Number)

January 3, 2011

(Date of Event which Requires Filing of this Statement)

CHECK THE APPROPRIATE BOX TO DESIGNATE THE RULE PURSUANT TO WHICH THIS SCHEDULE 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 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 (THE "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).

Page 1 of 8 Pages

CUSIP NO. 29362U104

1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Bay Resource Partners, L.P.

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

5 SOLE VOTING POWER

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH

NONE

6 SHARED VOTING POWER

1,231,600

7 SOLE DISPOSITIVE POWER

NONE

8 SHARED DISPOSITIVE POWER

1,231,600

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,231,600

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

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 0.9%

12 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)
PN

1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Bay II Resource Partners, L.P.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)
(a) ☒ [X]
(b) ☐ []

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

5 SOLE VOTING POWER

NUMBER OF
SHARES
BENEFICIALLY
OWNED BY
EACH
REPORTING
PERSON
WITH

NONE

6 SHARED VOTING POWER

3,375,400

7 SOLE DISPOSITIVE POWER

NONE

8 SHARED DISPOSITIVE POWER

3,375,400

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

3,375,400

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

11 PERCENTAGE OF CLASS REPRESENTED BY AMOUNT IN ROW 9 2.6%

12 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)
PN

1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Bay Resource Partners Offshore Master Fund, L.P.

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

Cayman Islands

5 SOLE VOTING POWER

NUMBER OF
SHARES
BENEFICIALLY

NONE

OWNED BY
EACH
REPORTING
PERSON
WITH

6 SHARED VOTING POWER

5,585,000

7 SOLE DISPOSITIVE POWER

NONE

8 SHARED DISPOSITIVE POWER

5,585,000

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

5,585,000

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

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 4.2%

12 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)
PN

1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

GMT Capital Corp.

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

State of Georgia

5 SOLE VOTING POWER

NUMBER OF
SHARES
BENEFICIALLY
OWNED BY
EACH
REPORTING
PERSON
WITH

NONE

6 SHARED VOTING POWER

10,554,700

7 SOLE DISPOSITIVE POWER

NONE

8 SHARED DISPOSITIVE POWER

10,554,700

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

10,554,700

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

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 8.0%

12 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)
CO

1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Thomas E. Clausus

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

United States

5 SOLE VOTING POWER

NUMBER OF
SHARES
BENEFICIALLY

300,800

OWNED BY

6 SHARED VOTING POWER

EACH
REPORTING
PERSON
WITH

10,554,700

7 SOLE DISPOSITIVE POWER

300,800

8 SHARED DISPOSITIVE POWER

10,554,700

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

10,855,500

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

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 8.2%

12 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

IN

Explanatory Note:

This Amendment No. 3 amends and supplements the Amendment No. 2 (Amendment No. 2) to Schedule 13G filed with the Securities and Exchange Commission (SEC) on November 09, 2010, which amended and supplemented the Amendment No. 1 to Schedule 13G filed with the SEC on October 8, 2010, which amended and supplemented the Schedule 13G originally filed with the SEC on September 16, 2010 by the Reporting Persons.

ITEM 1(A) NAME OF ISSUER:

No material changes from Amendment No. 2.

ITEM 1(B) ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:

No material changes from Amendment No. 2.

ITEM 2(a) NAME OF PERSON FILING:

No material changes from Amendment No. 2.

ITEM 2(b) ADDRESS OF PRINCIPAL BUSINESS OFFICE, OR IF NONE, RESIDENCE:

No material changes from Amendment No. 2.

ITEM 2(c) CITIZENSHIP:

No material changes from Amendment No. 2.

ITEM 2(d) TITLE OF CLASS OF SECURITIES:

No material changes from Amendment No. 2.

ITEM 3. No material changes from Amendment No. 2.

ITEM 4. OWNERSHIP:

Except as provided below, there are no material changes from Amendment No. 2 filed by the Reporting Persons with the SEC on November 9, 2010.

The aggregate percentage of Shares reported as owned by each Reporting Person is based upon 131,894,579 shares of Common Stock outstanding as of October 25, 2010, as disclosed in the Issuers Form 10-Q filing for the quarterly period ended October 2, 2010, filed with the SEC on October 27, 2010. This Statement is being filed with respect to an aggregate of 10,855,500 shares of Common Stock. There are no other material changes from the Amendment No. 2 except as regards beneficial ownership as indicated on Pages 2 through 6 herein.

ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS.

N/A

ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON.

No material changes from Amendment No. 2.

ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY OR CONTROL PERSON.

No material changes from Amendment No. 2.

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP.

No material changes from Amendment No. 2.

ITEM 9. NOTICE OF DISSOLUTION OF GROUP.

No material changes from Amendment No. 2.

ITEM 10. CERTIFICATION.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I hereby certify that the information set forth in this statement is true, complete and correct.

January 5, 2011

/s/ Thomas E. Claugus

Thomas E. Claugus, for himself
and as President of GMT Capital
Corp., for itself and as the
general partner of (i) Bay
Resource Partners, L.P. and (ii)
Bay II Resource Partners, L.P.,
and as the investment manager
of (iii) Bay Resource Partners
Offshore Master Fund, L.P. and
(iv) certain other accounts.

