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

SCHEDULE 13D

Under the Securities Exchange Act of 1934 (Amendment No. 14)

NATUS MEDICAL INCORPORATED (BABY) (Name of Issuer)

Common Stock (Title of Class of Securities)

639050103 (CUSIP Number)

David Nierenberg The D3 Family Funds 19605 NE 8th Street Camas, WA 98607 (360) 604-8600

With a copy to:

Christopher P. Davis Kleinberg, Kaplan, Wolff & Cohen, P.C. 551 Fifth Avenue New York, NY 10176 (212) 986-6000

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

March 8, 2010 (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 that is the subject of this Schedule 13D and is filing this schedule because of §§ 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box £TM.

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NAME OF REPORTING PERSONSI.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only)

The D3 Family Fund, L.P.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)

(a) T

(b) £

- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS (See Instructions) WC
- 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) \pounds
- 6 CITIZENSHIP OR PLACE OF ORGANIZATION Washington

NUMBER OF 7 SOLE VOTING POWER

SHARES 0

BENEFICIALLY

OWNED BY 8 SHARED VOTING POWER EACH 447,883 common shares (1.6%)

REPORTING

PERSON 9 SOLE DISPOSITIVE POWER

- 10 SHARED DISPOSITIVE POWER 447,883
- AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON For the reporting person listed on this page, 447,883; for all reporting persons as a group, 2,803,007 shares (9.9%)
- 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)
- PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)
 For the reporting person listed on this page, 1.6%; for all reporting persons as a group 9.9%
- 14 TYPE OF REPORTING PERSON (See Instructions) PN

NAME OF REPORTING PERSONSI.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only)

The D3 Family Bulldog Fund, L.P.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)

(a) T

(b) £

- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS (See Instructions) WC
- 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) \pounds
- 6 CITIZENSHIP OR PLACE OF ORGANIZATION Washington

NUMBER OF 7 SOLE VOTING POWER

SHARES 0

BENEFICIALLY

OWNED BY 8 SHARED VOTING POWER EACH 1,802,455 common shares (6.3%)

REPORTING

PERSON 9 SOLE DISPOSITIVE POWER

- 10 SHARED DISPOSITIVE POWER 1,802,455
- AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON For the reporting person listed on this page, 1,802,455; for all reporting persons as a group, 2,803,007 shares (9.9%)
- 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)
- PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) For the reporting person listed on this page, 6.3%; for all reporting persons as a group, 9.9%
- 14 TYPE OF REPORTING PERSON PN

1 NAME OF REPORTING PERSONS

The D3 Family Canadian Fund, L.P.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)

(a) T

(b) £

- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS (See Instructions) WC
- 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) \pounds
- 6 CITIZENSHIP OR PLACE OF ORGANIZATION Washington

NUMBER OF 7 SOLE VOTING POWER

SHARES 0

BENEFICIALLY

OWNED BY 8 SHARED VOTING POWER EACH 129,931 common shares (0.5%)

REPORTING

PERSON 9 SOLE DISPOSITIVE POWER

- 10 SHARED DISPOSITIVE POWER 129.931
- AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON For the reporting person listed on this page, 129,931; for all reporting persons as a group, 2,803,007 shares (9.9%)
- 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)
- PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)
 For the reporting person listed on this page, 0.5%; for all reporting persons as a group, 9.9%
- 14 TYPE OF REPORTING PERSON PN

1 NAME OF REPORTING PERSONS

The DIII Offshore Fund, L.P.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)

(a) T

(b) £

- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS (See Instructions) WC
- 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) \pounds
- 6 CITIZENSHIP OR PLACE OF ORGANIZATION Bahamas

NUMBER OF 7 SOLE VOTING POWER

SHARES 0

BENEFICIALLY

OWNED BY 8 SHARED VOTING POWER EACH 422,738 common shares (1.5%)

REPORTING

PERSON 9 SOLE DISPOSITIVE POWER

WITH 0

10 SHARED DISPOSITIVE POWER 422.738

- AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON For the reporting person listed on this page, 422,738; for all reporting persons as a group, 2,803,007 shares (9.9%)
- 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)
- PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)
 For the reporting person listed on this page, 1.5%; for all reporting persons as a group, 9.9%
- 14 TYPE OF REPORTING PERSON PN

NAME OF REPORTING PERSONS
Nierenberg Investment Management Company, Inc.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)

(a) T

(b) £

- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS (See Instructions)

AF

- 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) \pounds
- 6 CITIZENSHIP OR PLACE OF ORGANIZATION Washington

NUMBER OF 7 SOLE VOTING POWER

SHARES 0

BENEFICIALLY

OWNED BY 8 SHARED VOTING POWER EACH 2,803,007 shares (9.9%)

REPORTING

PERSON 9 SOLE DISPOSITIVE POWER

WITH 0

10 SHARED DISPOSITIVE POWER 2,803,007 shares

- AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON For the reporting person listed on this page, 2,803,007; for all reporting persons as a group, 2,803,007 shares (9.9%)
- 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)
- PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)
 For the reporting person listed on this page, 9.9%; for all reporting persons as a group 9.9%
- 14 TYPE OF REPORTING PERSON CO

1 NAME OF REPORTING PERSONS

Nierenberg Investment Management Offshore, Inc.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)

(a) T

(b) £

- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS (See Instructions)
 AF
- 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) \pounds
- 6 CITIZENSHIP OR PLACE OF ORGANIZATION Bahamas

NUMBER OF 7 SOLE VOTING POWER

SHARES 0

BENEFICIALLY

OWNED BY 8 SHARED VOTING POWER EACH 422,738 common shares (1.5%)

REPORTING

PERSON 9 SOLE DISPOSITIVE POWER

- 10 SHARED DISPOSITIVE POWER 422,738 common shares
- AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON For the reporting person listed on this page, 422,738; for all reporting persons as a group, 2,803,007 shares (9.9%)
- 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)
- PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)
 For the reporting person listed on this page, 1.5%; for all reporting persons as a group, 9.9%
- 14 TYPE OF REPORTING PERSON CO

NAME OF REPORTING PERSONS
David Nierenberg

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)

(a) T

(b) £

- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS (See Instructions)

AF

- 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) \pounds
- 6 CITIZENSHIP OR PLACE OF ORGANIZATION United States of America

NUMBER OF 7 SOLE VOTING POWER SHARES 0

BENEFICIALLY

OWNED BY 8 SHARED VOTING POWER EACH 2,803,007 common shares (9.9%)

REPORTING

PERSON 9 SOLE DISPOSITIVE POWER

WITH 0

10 SHARED DISPOSITIVE POWER 2,803,007

- AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON For the reporting person listed on this page, 2,803,007; for all reporting persons as a group, 2,803,007 shares (9.9%)
- 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)
- PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)
 For the reporting person listed on this page, 9.9%; for all reporting persons as a group, 9.9%
- 14 TYPE OF REPORTING PERSON IN

This Amendment No. 14 to Schedule 13D (this "Amendment") amends the below-indicated Items from the Schedule 13D with respect to the (shares of common stock) (the "Common Stock") of Natus Medical Incorporated (the "Issuer") previously filed by or on behalf of the Reporting Persons (as defined below), as previously amended (collectively the "Schedule 13D"), by supplementing such Items with the information below.

The names of the persons filing this Amendment (collectively, the "Reporting Persons") are: The D3 Family Fund, L.P. (the "Family Fund"), The D3 Family Bulldog Fund, L.P. (the "Bulldog Fund"), The D3 Family Canadian Fund, L.P. (the "Canadian Fund"), The DIII Offshore Fund, L.P. (the "Offshore Fund"), Nierenberg Investment Management Company, Inc. ("NIMCO"), Nierenberg Investment Management Offshore, Inc. ("NIMO") and David Nierenberg ("Mr. Nierenberg").

Item 5. Interest in Securities of the Issuer.

- (a) The Reporting Persons, in the aggregate, beneficially own 2,803,007 shares of Common Stock, constituting approximately 9.9% of the outstanding shares.
- (b) The Family Fund, NIMCO and Mr. Nierenberg have shared power (i) to vote or direct the vote of, and (ii) to dispose or direct the disposition of, the 447,883 shares of Common Stock held by the Family Fund.

The Bulldog Fund, NIMCO and Mr. Nierenberg have shared power (i) to vote or direct the vote of, and (ii) to dispose or direct the disposition of, the 1,802,455 shares of Common Stock held by the Bulldog Fund.

The Canadian Fund, NIMCO and Mr. Nierenberg have shared power (i) to vote or direct the vote of, and (ii) to dispose or direct the disposition of, the 129,931 shares of Common Stock held by the Canadian Fund.

The Offshore Fund, NIMO, NIMCO and Mr. Nierenberg have shared power (i) to vote or direct the vote of, and (ii) to dispose or direct the disposition of, the 422,738 shares of Common Stock held by the Offshore Fund.

(c) Since the previous amendment to the Schedule 13D the following sales of shares of Common Stock were made by the Reporting Persons named below in open market transactions:

Portfolio	Trade Date	Shares Sold	Price
D3 Family Fund, LP	01/22/2010	7,500	14.50
D3 Family Bulldog Fund, LP	01/22/2010	32,500	14.50
D3 Family Fund, LP	02/22/2010	4,100	14.10
D3 Family Bulldog Fund, LP	02/22/2010	16,000	14.10
D3 Family Fund, LP	02/24/2010	1,200	14.02
D3 Family Bulldog Fund, LP	02/24/2010	7,407	14.02
D3 Family Fund, LP	03/02/2010	16,293	14.16
D3 Family Bulldog Fund, LP	03/02/2010	65,000	14.16
D3 Family Fund, LP	03/03/2010	16,263	14.36
D3 Family Bulldog Fund, LP	03/03/2010	65,000	14.36
D3 Family Fund, LP	03/05/2010	9,852	14.40
D3 Family Bulldog Fund, LP	03/05/2010	39,000	14.40
D3 Family Fund, LP	03/08/2010	23,000	14.40
D3 Family Bulldog Fund, LP	03/08/2010	90,000	14.40
DIII Offshore Fund, LP	03/08/2010	16,718	14.40
D3 Family Fund, LP	03/09/2010	6,200	14.46
D3 Family Bulldog Fund, LP	03/09/2010	26,404	14.46
DIII Offshore Fund, LP	03/09/2010	6,600	14.46

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, each of the undersigned certifies that the information set forth in the Statement is true, complete and correct.

The D3 Family Fund, L.P., The D3 Bulldog Fund, L.P.,

and The D3 Family Canadian Fund, L.P.

By: Nierenberg Investment Management

Company, Inc.

Its: General Partner

March 10, 2010 By:/s/ David Nierenberg

David Nierenberg, President

The DIII Offshore Fund, L.P.

By: Nierenberg Investment Management

Offshore, Inc.

Its: General Partner

March 10, 2010 By:/s/ David Nierenberg

David Nierenberg, President

Nierenberg Investment Management

Company, Inc.

March 10, 2010 By:/s/ David Nierenberg

David Nierenberg, President

Nierenberg Investment Management

Offshore, Inc.

March 10, 2010 By:/s/ David Nierenberg

David Nierenberg, President

March 10, 2010 /s/ David Nierenberg

David Nierenberg