NATUS MEDICAL INC Form SC 13D/A May 04, 2011

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

SCHEDULE 13D Under the Securities Exchange Act of 1934 (Amendment No. 17)

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)

May 2, 2011 (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 []<sup>TM</sup>.

1

NAME OF REPORTING PERSONS I.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) [X] (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) [ 6 CITIZENSHIP OR PLACE OF ORGANIZATION Washington **NUMBER OF SHARES** 7 **SOLE VOTING POWER BENEFICIALLY** SHARED VOTING POWER **OWNED BY** 8 **EACH** 207,775 common shares (0.7%) **REPORTING PERSON** 9 SOLE DISPOSITIVE POWER WITH 0 SHARED DISPOSITIVE POWER 10 207,775 11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING **PERSON** For the reporting person listed on this page, 207,775; for all reporting persons as a group, 1,301,895 shares (4.5%) 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 13 For the reporting person listed on this page, 0.7%; for all reporting persons as a group 4.5% 14 TYPE OF REPORTING PERSON (See Instructions) PN

1 NAME OF REPORTING PERSONS I.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) [X] (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) [ ] CITIZENSHIP OR PLACE OF ORGANIZATION 6 Washington NUMBER OF SHARES **SOLE VOTING POWER** 7 **BENEFICIALLY OWNED BY** 8 SHARED VOTING POWER **EACH** 832,340 common shares (2.9%) REPORTING **PERSON** 9 SOLE DISPOSITIVE POWER WITH 10 SHARED DISPOSITIVE POWER 832,340 11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING **PERSON** For the reporting person listed on this page, 832,340; for all reporting persons as a group, 1,301,895 shares (4.5%) 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions) 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) For the reporting person listed on this page, 2.9%; for all reporting persons as a group 4.5% 14 TYPE OF REPORTING PERSON (See Instructions)

PN

1 NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only) The D3 Family Canadian Fund, L.P. 2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [X] (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) [ ] 6 CITIZENSHIP OR PLACE OF ORGANIZATION Washington NUMBER OF SHARES 7 **SOLE VOTING POWER BENEFICIALLY** OWNED BY 8 SHARED VOTING POWER **EACH** 97,940 common shares (0.3%) REPORTING **PERSON** 9 SOLE DISPOSITIVE POWER WITH 0 SHARED DISPOSITIVE POWER 10 97,940 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING 11 **PERSON** For the reporting person listed on this page, 97,940; for all reporting persons as a group, 1,301,895 shares (4.5%) 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions) 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) For the reporting person listed on this page, 0.3%; for all reporting persons as a group 4.5%

TYPE OF REPORTING PERSON (See Instructions)

14

PN

1 NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only) The DIII Offshore Fund, L.P. 2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [X] (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) [ ] 6 CITIZENSHIP OR PLACE OF ORGANIZATION Bahamas NUMBER OF SHARES 7 **SOLE VOTING POWER BENEFICIALLY** OWNED BY 8 SHARED VOTING POWER **EACH** 163,840 common shares (0.6%) REPORTING **PERSON** 9 SOLE DISPOSITIVE POWER WITH 0 SHARED DISPOSITIVE POWER 10 163,840 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING 11 **PERSON** For the reporting person listed on this page, 163,840; for all reporting persons as a group, 1,301,895 shares (4.5%) 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions) 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) For the reporting person listed on this page, 0.6%; for all reporting persons as a group 4.5% 14 TYPE OF REPORTING PERSON (See Instructions) PN

1

NAME OF REPORTING PERSONS

I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only) Nierenberg Investment Management Company, Inc. 2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [X] (b) [ ] 3 SEC USE ONLY 4 SOURCE OF FUNDS (See Instructions) AF CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED 5 PURSUANT TO ITEMS 2(d) or 2(e) [ 6 CITIZENSHIP OR PLACE OF ORGANIZATION Washington **NUMBER OF SHARES** 7 **SOLE VOTING POWER BENEFICIALLY** SHARED VOTING POWER **OWNED BY** 8 **EACH** 1,301,895 shares (4.5%) **REPORTING PERSON** 9 SOLE DISPOSITIVE POWER WITH 0 10 SHARED DISPOSITIVE POWER 1,301,895 shares 11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING **PERSON** For the reporting person listed on this page, 1,301,895; for all reporting persons as a group, 1,301,895 shares (4.5%) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN 12 SHARES (See Instructions) 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) For the reporting person listed on this page, 4.5%; for all reporting persons as a group 4.5% 14 TYPE OF REPORTING PERSON (See Instructions) CO

1 NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only) Nierenberg Investment Management Offshore, Inc. 2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [X] (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) [ ] 6 CITIZENSHIP OR PLACE OF ORGANIZATION Bahamas NUMBER OF SHARES 7 **SOLE VOTING POWER** BENEFICIALLY OWNED BY 8 SHARED VOTING POWER **EACH** 163,840 common shares (0.6%) REPORTING **PERSON** 9 SOLE DISPOSITIVE POWER WITH 0 SHARED DISPOSITIVE POWER 10 163,840 common shares AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING 11 **PERSON** For the reporting person listed on this page, 163,840; for all reporting persons as a group, 1,301,895 shares (4.5%) 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions) 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) For the reporting person listed on this page, 0.6%; for all reporting persons as a group 4.5%

TYPE OF REPORTING PERSON (See Instructions)

14

CO

1 NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only) David Nierenberg 2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [X] (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) [ ] CITIZENSHIP OR PLACE OF ORGANIZATION 6 United States of America **SOLE VOTING POWER** NUMBER OF SHARES 7 BENEFICIALLY OWNED BY SHARED VOTING POWER 8 **EACH** 1,301,895 common shares (4.5%) **REPORTING PERSON**