FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-0287								
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0.5

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Check this box if no longer subject to
Section 16. Form 4 or Form 5
obligations may continue. See
Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person*  MASSIMINE KENNETH L						2. Issuer Name and Ticker or Trading Symbol MINERALS TECHNOLOGIES INC MTX											oplica ector icer (	able)	g Pers	on(s) to Issu 10% Ow Other (s	/ner		
(Last) (First) (Middle) MINERALS TECHNOLOGIES INC. 405 LEXINGTON AVENUE						3. Date of Earliest Transaction (Month/Day/Year) 02/22/2007											X Officer (give title Officer (specify below) SENIOR VICE PRESIDENT						
(Street) NEW YORK NY 10174						4. If Amendment, Date of Original Filed (Month/Day/Year)											idividual or Joint/Group Filing (Check Applicable )  X Form filed by One Reporting Person Form filed by More than One Reporting Person						
(City)	(St		(Zip)	n_Deri	vativ		Curit	tios A	can	ired [	Dien	osed .	of or	Pone	oficial	ly Owi	ned.						
1. Title of Security (Instr. 3)  2. Trans Date (Month				saction	ear)	2A. Deemed Execution Date, if any (Month/Day/Year		ie,	3. Transaction Code (Instr.					(A) or	3) or 5. Amou Securitie Beneficie Owned F		s lly ollowing	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership			
							v	Amoun		A) or D)	Price	Reported Transactio (Instr. 3 an		on(s)			Instr. 4)						
Common Stock 0					22/200	2/2007				M		1,93	34	A	(1)		4,934		D				
Common Stock																2,512(2)		. <b>2</b> <sup>(2)</sup>	I		By 401(k) Plan		
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)															•								
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deeme Execution if any (Month/Day	Date,	4. Transa Code ( 8)		of Deri Sec Acq (A) o Disp of (E	oosed O) tr. 3, 4	6. Date Exercisab Expiration Date (Month/Day/Year)			of Securities		curity	8. Price of Derivative Security (Instr. 5)		9. Numbe derivative Securities Beneficia Owned Following Reported Transacti (Instr. 4)	e s Illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)			
					Code	v	(A)	(D)	Dat Exe	e ercisable		piration te	Title		Amount or Number of Shares								
Deferred Restricted Stock Units	\$0 <sup>(1)</sup>	02/22/2007			М			1,934		(3)		(3)	COMM STOC		1,934	(1)		15,86	6	D			

## **Explanation of Responses:**

- 1. Each DRSU is the economic equivalent of one share of Minerals Technologies Inc. Common Stock.
- 2. Mr. Massimine has 2,512 shares of Minerals Technologies Inc. stock under the Company's 401(k) Plan. The information contained in this report is based on a Plan Statement dated as of February 22, 2007.
- 3. Mr. Massimine was granted 5,800 DRSUs on February 22, 2006, vesting in three equal annual installments starting on the first anniversary of the grant date. Accordingly, 1,934 DRSUs representing the first such installment vested on February 22, 2007.

## Remarks:

LASZLO SERESTER FOR KENNETH L. MASSIMINE

02/23/2007

\*\* Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- \* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.