## TRIMBLE NAVIGATION LTD /CA/ Form SC 13G/A February 08, 2012

SCHEDULE 13G

(Rule 13d-102)

Information to be Included in Statements Filed Pursuant to Rule 13d-1(b), (c) and (d) and Amendments Thereto Filed Pursuant to Rule 13d-2.

SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

Under the Securities Exchange Act of 1934 (Amendment No. 1 )\*

Trimble Navigation Limited

(Name of Issuer)

Common Stock

(Title of Class of Securities)

896239100

(CUSIP Number)

December 31, 2011

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

(Date of Event Which Requires Filing of this Statement)

- [X] 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).

Page 1 of 16

CUS	IP No. 89623	391	13G		
1	NAME OF REPO	ORT:	ING PERSON		
	Artisan Pa	rtne	ers Holdings LP		
2	CHECK THE AN		OPRIATE BOX IF A MEMBER OF A GROUP	(a) (b)	[_] [_]
	Not Applica	able	9		
3	SEC USE ONLY	Y			
4	CITIZENSHIP	OR	PLACE OF ORGANIZATION		
		5	SOLE VOTING POWER		
	MBER OF Shares		None		
BENI		6	SHARED VOTING POWER		
	EACH		5,260,366		
		7	SOLE DISPOSITIVE POWER		
	WITH		None		
		8	SHARED DISPOSITIVE POWER		
			5,521,686		
9	AGGREGATE AN 5,521,686	MOUI	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHA (see Instructions)					[_]
	Not Applica	able	e		
11	PERCENT OF (	CLA	SS REPRESENTED BY AMOUNT IN ROW (9)		
	4.5% 				
12	TYPE OF REPO				
	HC 				

Page 2 of 16

1 NAME OF	REPORTING PERSON
Artisa	n Investment Corporation
	THE APPROPRIATE BOX IF A MEMBER OF A GROUP structions)  (a) [_] (b) [_]
Not Ap	plicable
3 SEC USE	
4 CITIZEN	SHIP OR PLACE OF ORGANIZATION
	5 SOLE VOTING POWER
NUMBER OF	None
OWNED BY	Y 6 SHARED VOTING POWER
EACH REPORTING	5,260,366 
PERSON WITH	7 SOLE DISPOSITIVE POWER  None
	8 SHARED DISPOSITIVE POWER
	5,521,686
5,521,	
	OX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES structions) [_]
Not Ap	plicable
	OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
4.5%	
	REPORTING PERSON structions)
HC	
	Page 3 of 16
CUSIP No.	896239100 13G
1 NAME OF	REPORTING PERSON

3

Artisan Pa	artners Limited Partnership	
2 CHECK THE A	,	a) [_] b) [_]
Not Applic	cable	
3 SEC USE ONL		
4 CITIZENSHIP	P OR PLACE OF ORGANIZATION	
Delaware		
	5 SOLE VOTING POWER	
NUMBER OF	None	
	6 SHARED VOTING POWER	
OWNED BY EACH	5,260,366	
REPORTING PERSON	7 SOLE DISPOSITIVE POWER	
WITH	None	
	8 SHARED DISPOSITIVE POWER	
	5,521,686	
9 AGGREGATE A	AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
5,521,686		
10 CHECK BOX I (see Instru	IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES actions)	[_]
Not Applic	cable	
11 PERCENT OF	CLASS REPRESENTED BY AMOUNT IN ROW (9)	
4.5%		
12 TYPE OF REP (see Instru	PORTING PERSON actions)	
IA		
	Page 4 of 16	
CUSIP No. 8962	239100 13G	
1 NAME OF REP	PORTING PERSON	

Artisan Investments GP LLC

2	CHECK THE A	PPROPRIATE BOX IF A MEMBER OF A GROUP		
_		see Instructions)		[_] [_]
	Not Applic	able 		
3	SEC USE ONI	Y		
4	CITIZENSHIP	OR PLACE OF ORGANIZATION		
	Delaware			
		5 SOLE VOTING POWER		
NU	JMBER OF	None		
		6 SHARED VOTING POWER		
	DWNED BY EACH	5,260,366		
RE		7 SOLE DISPOSITIVE POWER		
	WITH	None		
		8 SHARED DISPOSITIVE POWER		
		5,521,686		
9	AGGREGATE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	5,521,686			
10	CHECK BOX I	F THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
	Not Applic			[_]
 1 1		CLASS REPRESENTED BY AMOUNT IN ROW (9)		
11	4.5%	CLASS REFRESENTED BY AMOUNT IN NOW (3)		
		ODBING DIDGOV		
12	(see Instru	ORTING PERSON ctions)		
	НС			
		Page 5 of 16		
		rage of or ro		
CUS	SIP No. 8962			
1	NAME OF REP	ORTING PERSON		
	ZFIC, Inc.			
2	CHECK THE A	PPROPRIATE BOX IF A MEMBER OF A GROUP		

(see Instructions)			[_] [_]		
Not Applic	able				
3 SEC USE ONL	Y				
4 CITIZENSHIP	OR PLACE OF ORGANIZATION				
Wisconsin					
	5 SOLE VOTING POWER				
NUMBER OF	None				
	6 SHARED VOTING POWER				
OWNED BY EACH	5,260,366				
REPORTING PERSON	7 SOLE DISPOSITIVE POWER				
WITH	None				
	8 SHARED DISPOSITIVE POWER				
	5,521,686				
10 CHECK BOX I (see Instru  Not Applic			[_]		
11 PERCENT OF 4.5%	CLASS REPRESENTED BY AMOUNT IN ROW (9)				
12 TYPE OF REP (see Instru	ORTING PERSON ctions)				
	Page 6 of 16				
CUSIP No. 8962	39100 13G				
1 NAME OF REP	ORTING PERSON				
Andrew A.					
	2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see Instructions) (a) (b)				

Not Applic	abl	Э		
3 SEC USE ONL	Υ			
4 CITIZENSHIP	OR	PLACE OF ORGANIZATION		
U.S.A.				
	5	SOLE VOTING POWER		
NUMBER OF		None		
	6	SHARED VOTING POWER		
OWNED BY EACH		5,260,366		
REPORTING PERSON	7	SOLE DISPOSITIVE POWER		
WITH		None		
	8	SHARED DISPOSITIVE POWER		
		5,521,686		
9 AGGREGATE A	 MOUI	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
5,521,686				
10 CHECK BOX I		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		[_]
Not Applic	able	9		
11 PERCENT OF	CLA:	SS REPRESENTED BY AMOUNT IN ROW (9)		
4.5%				
12 TYPE OF REP				
IN				
		Page 7 of 16		
CUSIP No. 8962	391	00 13G		
1 NAME OF REP	ORT:	ING PERSON		
Carlene M.	Zi	egler		
2 CHECK THE A		OPRIATE BOX IF A MEMBER OF A GROUP	(a) (b)	

Not Applicable

3 SEC USE	ONLY
4 CITIZENS	SHIP OR PLACE OF ORGANIZATION
U.S.A.	
	5 SOLE VOTING POWER
NUMBER OF SHARES	None
BENEFICIALLY OWNED BY	6 SHARED VOTING POWER
EACH REPORTING	5,260,366
PERSON WITH	7 SOLE DISPOSITIVE POWER
WIII	None
	8 SHARED DISPOSITIVE POWER
	5,521,686
9 AGGREGAT	TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
5,521,6	586
	DX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES structions)
Not App	plicable
11 PERCENT	OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
4.5%	
	REPORTING PERSON
IN	
	Page 8 of 16
Item 1(a)	Name of Issuer:
	Trimble Navigation Limited
Item 1(b)	Address of Issuer's Principal Executive Offices:
	935 Stewart Drive, Sunnyvale, CA 94085
Item 2(a)	Name of Person Filing:
	Artisan Partners Holdings LP ("Artisan Holdings") Artisan Investment Corporation, the general partner of Artisan Holdings ("Artisan Corp.") Artisan Partners Limited Partnership ("Artisan Partners")

Artisan Investments GP LLC, the general partner of Artisan Partners ("Artisan Investments") ZFIC, Inc., the sole stockholder of Artisan Corp. ("ZFIC") Andrew A. Ziegler Carlene M. Ziegler

Item 2(b) Address of Principal Business Office:

Artisan Holdings, Artisan Corp., Artisan Partners, Artisan Investments, ZFIC,

 $\operatorname{Mr.}$  Ziegler and  $\operatorname{Ms.}$  Ziegler are all located at:

875 East Wisconsin Avenue, Suite 800 Milwaukee, WI 53202

Item 2(c) Citizenship:

Artisan Holdings is a Delaware limited partnership Artisan Corp. is a Wisconsin corporation Artisan Partners is a Delaware limited partnership Artisan Investments is a Delaware limited liability company ZFIC is a Wisconsin corporation Mr. Ziegler and Ms. Ziegler are U.S. citizens

Item 2(d) Title of Class of Securities:

Common Stock

Item 2(e) CUSIP Number:

896239100

(e) Artisan Partners is an investment adviser registered under section 203 of the Investment Advisers Act of 1940; Artisan Holdings is the sole limited partner of Artisan Partners; Artisan Investments is the general partner of Artisan Partners; Artisan Corp is the general partner of Artisan Holdings; ZFIC is the sole stockholder of Artisan Corp.; Mr. Ziegler and Ms. Ziegler are the principal stockholders of ZFIC.

Page 9 of 16

- Item 4 Ownership (at December 31, 2011):
  - (a) Amount owned "beneficially" within the meaning of rule 13d-3:

5,521,686

(b) Percent of class:

4.5% (based on 123,311,005 shares outstanding as of November 3, 2011)

- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote:

None

(ii) shared power to vote or to direct the vote:

5,260,366

(iii) sole power to dispose or to direct the disposition of:

None

(iv) shared power to dispose or to direct the disposition of:

5,521,686

Item 5 Ownership of Five Percent or Less of a Class:

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following [X].

Item 6 Ownership of More than Five Percent on Behalf of Another Person:

Not Applicable

Not Applicable

Item 8 Identification and Classification of Members of the Group:

Not Applicable

Not Applicable

Item 10 Certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and 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.

Page 10 of 16

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.

Date: February 8, 2012

ARTISAN INVESTMENT CORPORATION,

for itself and as the general partner of ARTISAN PARTNERS HOLDINGS LP

By: Sarah A. Johnson\*

\_\_\_\_\_

ARTISAN INVESTMENTS GP LLC, for itself and as the general partner of ARTISAN PARTNERS LIMITED PARTNERSHIP

By: Sarah A. Johnson\*

ZFIC, INC.

By: Sarah A. Johnson\*

ANDREW A. ZIEGLER

Andrew A. Ziegler\*

CARLENE M. ZIEGLER

Carlene M. Ziegler\*

\*By: /s/ Sarah A. Johnson

\_\_\_\_\_

Sarah A. Johnson
Vice President of Artisan
Investment Corporation
Vice President of Artisan
Investments GP LLC
Attorney-in-Fact for ZFIC, Inc.
Attorney-in-Fact for Andrew A.
Ziegler
Attorney-in-Fact for Carlene M.

Attorney-in-Fact for Carlene M. Ziegler

Page 11 of 16

#### Exhibit Index

- Exhibit 1 Joint Filing Agreement dated February 8, 2012 by and among Artisan Partners Holdings LP, Artisan Investment Corporation, Artisan Partners Limited Partnership, Artisan Investments GP LLC, ZFIC, Inc., Andrew A. Ziegler and Carlene M. Ziegler
- Exhibit 2 Power of Attorney of ZFIC, Inc., dated March 19, 2007
- Exhibit 3 Power of Attorney of Andrew A. Ziegler dated March 19, 2007
- Exhibit 4 Power of Attorney of Carlene M. Ziegler dated March 19, 2007

Page 12 of 16

EXHIBIT 1

#### JOINT FILING AGREEMENT

The undersigned hereby agree to the joint filing of the Schedule 13G to which this Agreement is attached.

Dated: February 8, 2012

ARTISAN INVESTMENT CORPORATION, for itself and as the general partner of ARTISAN PARTNERS HOLDINGS LP

By: Sarah A. Johnson\*

ARTISAN INVESTMENTS GP LLC, for itself and as the general partner of ARTISAN PARTNERS LIMITED PARTNERSHIP

By: Sarah A. Johnson\*

ZFIC, INC.

By: Sarah A. Johnson\*

ANDREW A. ZIEGLER

Andrew A. Ziegler\*

CARLENE M. ZIEGLER

Carlene M. Ziegler\*

\_\_\_\_\_

\*By: /s/ Sarah A. Johnson

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Sarah A. Johnson
Vice President of Artisan
Investment Corporation
Vice President of Artisan
Investments GP LLC

Attorney-in-Fact for ZFIC, Inc. Attorney-in-Fact for Andrew A. Ziegler

Attorney-in-Fact for Carlene M. Ziegler

Page 13 of 16

EXHIBIT 2

#### POWER OF ATTORNEY

The undersigned, ZFIC, Inc., hereby appoints Lawrence A. Totsky, Janet D. Olsen, and Sarah A. Johnson, and each of them individually, its true and lawful attorney-in-fact and agent, with full power to execute and file with the United

States Securities and Exchange Commission and any stock exchange or similar authority, for and on its behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder, including but not limited to reports on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete, as fully as the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 19th day of March, 2007.

ZFIC, INC.

STATE OF WISCONSIN )

OUNTY OF MILWAUKEE)

I, Timothy K. Weston, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Andrew A. Ziegler, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed and delivered the said instrument as his own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 19th day of March, 2007.

/s/ Timothy K. Weston
-----Notary Public

Page 14 of 16

EXHIBIT 3

#### POWER OF ATTORNEY

The undersigned, Andrew A. Ziegler, hereby appoints Lawrence A. Totsky, Janet D. Olsen, and Sarah A. Johnson, and each of them individually, his true and lawful attorney-in-fact and agent, with full power to execute and file with the United States Securities and Exchange Commission and any stock exchange or similar authority, for and on his behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder, including but not limited to reports on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said

attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete, as fully as the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 19th day of March, 2007.

STATE OF WISCONSIN )

OUNTY OF MILWAUKEE)

I, Timothy K. Weston, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Andrew A. Ziegler, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed and delivered the said instrument as his own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 19th day of March, 2007.

/s/ Timothy K. Weston
----Notary Public

Page 15 of 16

EXHIBIT 4

#### POWER OF ATTORNEY

The undersigned, Carlene M. Ziegler, hereby appoints Lawrence A. Totsky, Janet D. Olsen, and Sarah A. Johnson, and each of them individually, her true and lawful attorney-in-fact and agent, with full power to execute and file with the United States Securities and Exchange Commission and any stock exchange or similar authority, for and on her behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder, including but not limited to reports on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete, as fully as the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 19th day of March, 2007.

/s/	Carl	lene	М.	Ziegler	
Carl	 Lene	м.	Zieg	Jler	 

STATE OF WISCONSIN )

OUNTY OF MILWAUKEE)

I, Timothy K. Weston, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Carlene M. Ziegler, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that she signed and delivered the said instrument as her own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 19th day of March, 2007.

/s/ Timothy K. Weston
----Notary Public

Page 16 of 16