	(1984. 0.93)	MECOUPATION I OF SIM	Patent and Trademark Offi		
	OMB No. 0651-0011 (exp. 4/94) Tab settings ⇔ ⇔ ♥	09-14-1998			
	To the Honorable Commissione		e attached original documents or copy thereof.		
St €-6	1. Name of conveying party(les): Yiming (Jim) Yu Michael Paul De Additional name(s) of conveying party(les) s	entinger	Name: TRIMBLE NAVIGATION LIMITED Internal Address:		
	3. Nature of conveyance:		2 3 4		
1	Assignment	☐ Merger	Street Address: 645 North Mary Avenue		
M	☐ Security Agreement	☐ Change of Name	City: Sunnyvale State: CA ZIP: 94086		
	Other		City: Junnyvale State: CIA ZIP: 37000		
	Execution Date: August 26	1,1998	Additional name(s) & address(es) attached? Yes No		
Ì	4. Application number(s) or patent number(s):				
	If this document is being filed to	gether with a new application, the	e execution date of the application is: Systember 2,19		
	A. Patent Application No.(s)		B. Patent No.(s)		
	5. Name and address of party to whe concerning document should be Name: Boris G. Tank	mailed:	Total number of applications and patents involved:		
	Internal Address:		Authorized to be charged to deposit account		
	Street Address: 536 M Civ	oc Dr., Sk.A 8.	Deposit account number: 50-0515		
	City: Walnut Creek State:	CA ZIP.94596	(Attach duplicate copy of this page if paying by or soit account)		
	DO NOT USE THIS SPACE FOR OV				
	the original document.		is true and correct and any attached copy is a true copy o		
	Boris G. Tankhille Name of Person Signing	Signa Total number of pages including cover s	/ 		
	ZTLII d.	couments to be recorded with require Commissioner of Patents & Tradema Will Hington, D.C.	redictiver shoet information to: narks, Box Assignments		

PATENT PATENT REEL: 9438 FRAME: 0728

ASSIGNMENT OF PATENT APPLICATION

Whereas, I. Yiming (Jim) Yu, of 7577 Heatherwood Drive, Cupertino, CA 95014. hereafter referred to as "Applicant", has invented certain new and useful improvements that are disclosed and claimed in a U.S. patent application entitled

ENHANCED ATTITUDE DETERMINATION SYSTEM USING SATELLITE NAVIGATION
RECEIVER WITH ANTENNA MIII TIPI EXING

	for which an application for a U.S. Patent was filed on			
	as U.S. Serial No.	; (or)		
	X for which an application for a U.S. Pa	itent was executed on August , 1998		
and				
	Whereas, TRIMBLE NAVIGATION LIM	ITED, hereafter referred to as "Assignee",		
whose 1	post office address is 645 North Mary Aver	nue, Sunnyvale, California 94086, desires to		

acquire our entire rights, titles and interests in this invention;

Now Therefore, in consideration for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, as Applicant, by this document grant, bargain, sell, convey and transfer to the Assignee our entire right, title, and interest in and to the invention and application, all foreign counterparts (including patent, utility model and industrial designs), and all future improvements thereon, and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world. The right, title and interest is to be held and enjoyed by Assignee and by Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agree that he will, without charges to the Assignee, but at the Assignee's expense, (a) cooperate with Assignee in the prosecution of the U.S. patent application and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such acts as assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Executed on August 1998 at Sunny vall

Yiming (Jim) Yu / (Jy)

ACKNOWLEDGMENT

State of California

County of Santa Clara

Before me, a Notary Public in and for the state of California, personally appeared

YIMING (JIM) YU

and acknowledged to me the foregoing Assignment Of Patent Application was his/her free act and deed on 3 \(\triangle \) August , 1998

Mary F. Rothert

Mary F. Rothert Comm. #1158831
OTARY PUBLIC CALIFORNIA
SANTA CLARA COUNTY
Comm. Exp. Oct. 25, 2001

ASSIGNMENT OF PATENT APPLICATION

Whereas, I, Michael Paul Dentinger, of 1475 Arbor Avenue, Los Altos, CA 94024 hereafter referred to as "Applicant", has invented certain new and useful improvements that are disclosed and claimed in a U.S. patent application entitled

ENHANCED ATTITUDE DETERMINATION SYSTEM USING SATELLITE NAVIGATION	N
RECEIVER WITH ANTENNA MULTIPLEXING	

	for which an application for a U.S. Patent was filed on		
	as U.S. Serial No.	; (or)	
	X for which an application for a U.S. F	Patent was executed on August , 1998	
and			
	Whereas, TRIMBLE NAVIGATION LIN	MITED, hereafter referred to as "Assignee",	
	4 07 11 1 6 46 NT. 41 N.C. A	0 1 0 1 0 1 0 1 0 1 0 1 1 1 1 1	

Whereas, TRIMBLE NAVIGATION LIMITED, hereafter referred to as "Assignee", whose post office address is 645 North Mary Avenue, Sunnyvale, California 94086, desires to acquire our entire rights, titles and interests in this invention;

Now Therefore, in consideration for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, as Applicant, by this document grant, bargain, sell, convey and transfer to the Assignee our entire right, title, and interest in and to the invention and application, all foreign counterparts (including patent, utility model and industrial designs), and all future improvements thereon, and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world. The right, title and interest is to be held and enjoyed by Assignee and by Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agree that he will, without charges to the Assignee, but at the Assignee's expense, (a) cooperate with Assignee in the prosecution of the U. S. patent application and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such acts as assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Executed on August 24, 1998 at Surry alo, CA

Michael Paul Dentinger Wishael Paul Dentinger

ACKNOWLEDGMENT

State of California ss County of Sourta Clara

Before me, a Notary Public in and for the state of California, personally appeared

MICHAEL PAUL DENTINGER

and acknowledged to me the foregoing Assignment Of Patent Application was his/her free act and deed on _____August 26 1998_____

Mary F. Rothert

RECORDED: 09/02/1998

Mary F. Rothert
Comm. #1158831
NOTARY PUBLIC CALIFORNIA D
SANTA CLARA COUNTY O
Comm. Exp. Oct. 25, 2001