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First Party: Name Ralph F. Eschenbach

Execution Date  
Month/Day/Year

October 31, 2001

Second Party: Name \_\_\_\_\_

Third Party Name \_\_\_\_\_

Fourth Party Name \_\_\_\_\_

Receiving Party

☐ Mark if additional names of conveying parties attached

Name Trimble Navigation Limited

Address (line 1) Trimble Navigation Limited

Address (line 2) 645 North Mary Avenue

Address (line 3) Sunnyvale, California 94086

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Domestic Representative Name and Address

Name \_\_\_\_\_

Address (line 1) \_\_\_\_\_

Address (line 2) \_\_\_\_\_

Address (line 3) \_\_\_\_\_

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Docket No.: A835CIP1

PATENT  
REEL: 012358 FRAME: 0056

## Correspondent Name and Address

Area Code and Telephone Number 650-853-0189

Name David R. Gildea  
Address (line 1) Menlo Patent Agency LLC  
Address (line 2) 435 Hermosa Way  
Address (line 3) Menlo Park, California 94025

## Pages

Enter the total number of pages of the attached conveyance document  
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## Patent Application Number(s)

## Patent Number(s)

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If this document is being filed together with a new patent application, enter the date that the patent  
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Enter PCT application number  
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Fee Amount for Properties Listed (37 CFR 3.41): \$ 40

Method of Payment:

Enclosed XDeposit Account XEnter deposit account number for payment by deposit account  
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## Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any  
attached copy is a true copy of the original document. Charges to deposit account, are authorized  
as indicated herein.David R. Gildea  
Name of Person SigningDavid R. Gildea  
SignatureNovember 2, 2001  
Date

# ASSIGNMENT OF PATENT APPLICATION

WHEREAS, Ralph F. Eschenbach of 20 Oak Hill Drive, Woodside, California 94062, hereafter referred to as "Assignor", has invented certain new and useful improvements as described and set forth in a patent application entitled:

## DIFFERENTIAL GLOBAL POSITIONING SYSTEM USING COARSE GPS DATA FOR A FAST TIME TO A PRECISE FIRST FIX

x filed herewith;

WHEREAS, Trimble Navigation Limited of 645 North Mary Avenue, Sunnyvale, California 94086, hereinafter referred to as "Assignee", is desirous of acquiring an interest in the invention and application and in any Letters Patent which may be granted on the same; and

FOR good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents do assign all 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 Assignee's successors and assigns as fully and exclusively as it would have been 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 any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that he will, without charge 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.

Ralph F. Eschenbach  
Ralph F. Eschenbach

10/31/01  
date

Witnesses:

Susan Funk

signature

10/31/01

date

Susan Funk

printed name

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James M. Janky 10/31/01

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Docket No.: A835CIP1

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PATENT  
REEL: 012358 FRAME: 0058