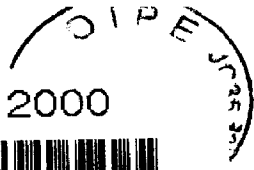


4-11-00



29

Atty Docket No.: 0154-2758-2X PCT

05-08-2000

FORM PTO-1595
1-31-92



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents

101349676

original documents or copy thereof.

1. Name of conveying party(ies):

1) Rainer Rupprecht 2) Jürgen Stammelbach
3) Herbert Kleiber

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):

Name: ALCATEL AIR NAVIGATION SYSTEMS GmbH

Address: Lorenzstrasse 10, 70435 Stuttgart (Germany)

Additional name(s) and address(es) attached? Yes No

3. Nature of Conveyance:

- Assignment
- Security Agreement
- Other
- Merger
- Change of Name

Execution Date: February 23, 1999

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)
09/147,609

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
Attorneys at Law
Fourth Floor
1755 Jefferson Davis Highway
Arlington, Virginia 22202

6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number: 15-0030
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. 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.

Marvin J. Spivak

Name of Person Signing

Signature

4/11/00

Date

Registration Number: 24,913

Total number of pages including this cover sheet: 3

05/2000 (REVISED) 00001076 0104760

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

PATENT
REEL: 010755 FRAME: 0748

Assignment Of Application

WHEREAS, I (WE) Rainer RUPPRECHT, Jürgen STAMMELBACH

and Herbert KLEIBER

INSERT NAMES
AND RESIDENCE
ADDRESSES OF
THE INVENTORS:

Am Rohrbach 5, 69126 HEIDELBERG (GERMANY)

Neckartalstrasse 401, 70376 STUTTGART (GERMANY)

Georg-Kropp-strasse 19, 71638 LUDWIGSBURG (GERMANY)

_____, respectively,

INSERT TITLE
OF INVENTION:

have invented certain new and useful improvements in: GLIDE PATH TRANSMITTER DEVICE
FOR THE INSTRUMENT LANDING SYSTEM (ILS),

INSERT DATE IN-
VENTORS SIGNED
DECLARATION:

for which an application for Letters Patent was executed on February 23, 1999

(Application No. 09/147,609, filed March 24, 1999), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE:

WHEREAS, ALCATEL AIR NAVIGATION SYSTEMS GmbH

(hereinafter referred to as "ASSIGNEE") having a place of business at: _____

Lorenzstrasse 10, 70435 STUTTGART (GERMANY),

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

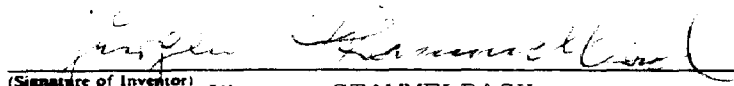
Date: February 23, 1999

(Signature of Inventor)  Rainer RUPPRECHT

Date: _____

(Signature of Inventor) _____

Date: February 23, 1999

(Signature of Inventor)  Jürgen STAMMELBACH

Date: _____

(Signature of Inventor) _____

Date: February 23, 1999

(Signature of Inventor)  Herbert KLEIBER

Date: _____

(Signature of Inventor) _____

Date: _____

(Signature of Inventor) _____

Date: _____

(Signature of Inventor) _____

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
FOURTH FLOOR
1755 JEFFERSON DAVIS HIGHWAY
ARLINGTON, VIRGINIA 22202