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09-10-2001



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Practitioner's Docket No. NPSP010318

4-31-01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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

NOTE: "Documents and cover sheets to be recorded should be addressed to Assistant Commissioner for Patents, Box Assignments, Washington, D.C. 20231, unless they are filed together with new applications or with a petition under § 3.81(b)." 37 C.F.R. § 3.27.

**ASSIGNMENT (DOCUMENT) COVER SHEET (37 C.F.R. § 3.31)**

NOTE: "A cover sheet may not refer to both patents and trademarks." 37 C.F.R. § 3.31(b).

Attached please find an assignment (document) for recordal.

**CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10\***  
(When using Express Mail, the Express Mail label number is **mandatory**;  
Express Mail certification is optional.)

I hereby certify that, on the date shown below, this correspondence is being:

**MAILING**

- ☒ deposited with the United States Postal Service in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

37 C.F.R. § 1.8(a)

37 C.F.R. § 1.10\*

- ☒ with sufficient postage as first class mail.

☐ as "Express Mail Post Office to Addressee"  
Mailing Label No. \_\_\_\_\_ (mandatory)

**TRANSMISSION**

- ☐ transmitted by facsimile to the Patent and Trademark Office.

Signature

Date: August 27, 2001

CLIFFORD J. MASS

(Type or print name of person certifying)

**\*WARNING:** Each paper or fee filed by "Express Mail" **must** have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. § 1.10(b).  
"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will **not** be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

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120.00

(Assignment (Document) Cover Sheet—page 1 of 6) 16-6

**PATENT**  
**REEL: 012134 FRAME: 0145**

**IDENTIFICATION OF APPLICATION(S) AND/OR PATENT(S)  
FOR ASSIGNMENT (DOCUMENT) RECORDAL**  
(37 C.F.R. § 3.21 and 37 C.F.R. § 3.31(a)(4))

*NOTE: See 37 C.F.R. §3.21.*

*NOTE: § 3.21 does not apply to documents other than assignment. Notice of June 24, 1992 (1140 O.G. 63-72 at 67).*

1. This assignment is for the following patent application or issued patent:

*NOTE: Do NOT enter both application AND patent number.*

National application: SN: \_\_\_\_\_ filed on \_\_\_\_\_  
Provisional application: \_\_\_\_\_ filed on \_\_\_\_\_  
International application: PCT \_\_\_\_\_  
Patent No: 5,181,145 Issued: January 19, 1993  
(complete if applicable) which was previously assigned and recorded

Date \_\_\_\_\_ Reel \_\_\_\_\_  
Frame \_\_\_\_\_

*NOTE: If an assignment of a patent application filed under § 1.53(b) is executed concurrently with, or subsequent to, the execution of the patent application, but before the patent application is filed, it must identify the patent application by its date of execution, name of each inventor, and title of the invention so that there can be no mistake as to the patent application intended. If an assignment of a provisional application under § 1.53(c) is executed before the provisional application is filed, it must identify the provisional application by name of each inventor and title of the invention so that there can be no mistake as to the provisional application intended. 37 C.F.R. § 3.21.*

*(also complete the following, if applicable)*

[ x ] and also for the applications and/or patents  
shown on the attached list of FURTHER  
APPLICATION(S) and/or PATENT(S) BEING ASSIGNED

Number of pages added \_\_\_\_1\_\_\_\_

*NOTE: "Where there is a listing of properties contained within a document, any listing may be copied and attached to the cover sheet to reduce the amount of typing necessary. A notation of this attachment can be made in lieu of entering every property identification number on the cover sheet." Notice of June 24, 1992 (1140 O.G. 63-72 at 67).*

**TOTAL NUMBER OF APPLICATIONS AND/OR PATENTS  
AND TOTAL FEE**

*NOTE: All requests to record documents must be accompanied by the appropriate fee; a fee is required for each application or patent against which the document is recorded as identified in the cover sheet. The recording fee is set in § 1.21(h). 37 C.F.R. §3.41.*

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**PATENT  
REEL: 012134 FRAME: 0146**

2. A. The total number of applications and/or patents identified in this cover sheet is 3

B. The total fee is (37 C.F.R. § 1.21(h)):

3 x \$40.00 = \$ 120.00  
Total number of applications  
and/or patents

C. Payment of fee is made by:

☒ the attached check for \$ 120.00.

☐ Please charge Account \_\_\_\_\_

the sum of \$ \_\_\_\_\_.

A duplicate of this cover sheet is attached.

Please charge Account 12-0425 for any fee deficiency or credit to account any overpayment.

**NAME OF PARTY(IES) CONVEYING INTEREST**

(37 C.F.R. § 3.31(a)(1))

*NOTE* "The term 'party' as used in this rule [§ 3.31] means the person whose name appears on the documents to be recorded, that person's attorney or registered agent, or a corporate officer where a corporation's name appears on the documents." Notice of June 24, 1992 (1140 O.G. 63-72, at 65); M.P.E.P. § 302.07, 6th ed.

3. The party(ies) conveying interest is (are):

Name 1: STATE OF ISRAEL - MINISTRY OF DEFENCE, ARMAMENT  
DEVELOPMENT AUTHORITY, RAFAEL

Name 2:

Name 3:

**NAME AND ADDRESS OF PARTY(IES) RECEIVING INTEREST**

(37 C.F.R. § 3.31 (a)(2))

4. The rights are being conveyed to:

Name: RAFAEL LTD.

Address: P.O. BOX 2250  
31020 HAIFA, ISRAEL

**DESCRIPTION OF INTEREST CONVEYED OR  
TRANSACTION RECORDED (37 C.F.R. § 3.31 (a)(3))**

5. The accompanying document intends to accomplish:

- ☒ an assignment.
- ☐ a security agreement.
- ☐ a merger.
- ☐ a license.
- ☐ a change of name.
- ☐ a change of address.
- ☐ other:

(Assignment (Document) Cover Sheet—page 3 of 6) 16-6

**NAME AND ADDRESS OF PARTY TO WHOM  
CORRESPONDENCE SHOULD BE MAILED (37 C.F.R. § 3.31 (a)(5))**

6. Please address correspondence to:

Name: Clifford J. Mass  
Address: c/o Ladas & Parry  
26 West 61<sup>st</sup> Street  
New York, New York 10023  
Telephone No.: (212) 708- 1890

**DATE ASSIGNMENT (DOCUMENT) EXECUTED  
(37 C.F.R. § 3.31(a)(7))**

7. A. ☒ The attached assignment (document) was executed on July 22, 2001.  
Date

**OR** *If there is more than one conveying party who executed on different dates, indicate the date of execution of the assignment document for each conveying party.*

B. ☐ The attached assignment was executed by \_\_\_\_\_  
Name  
on \_\_\_\_\_ .  
Date

☐ The attached assignment was executed by \_\_\_\_\_  
Name  
on \_\_\_\_\_ .  
Date

☐ The attached assignment was executed by \_\_\_\_\_  
Name  
on \_\_\_\_\_ .  
Date

☐ The attached assignment was executed by \_\_\_\_\_  
Name  
on \_\_\_\_\_ .  
Date

☐ The attached assignment was executed by \_\_\_\_\_  
Name  
on \_\_\_\_\_ .  
Date

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## LANGUAGE OF ASSIGNMENT (DOCUMENT) TO BE RECORDED

*NOTE: "The Office will accept and record non-English language documents only if accompanied by an English translation signed by the individual making the translation," 37 C.F.R. § 3.26.*

8. The attached document:

☒ is in the English language.

☐ is not in the English language and an English translation signed by the individual making the translation is attached.

## ORIGINAL DOCUMENT OR TRUE COPY SUBMITTED

*NOTE: See 37 C.F.R. § 3.24.*

9. Submitted herewith is:

☒ the original document.

☐ a true copy of the original document, which I certify to be a true copy.

*NOTE: "If the original [assignment] document is two-sided or the wrong size, the practitioner can comply with the requirement [set out in 37 C.F.R. § 3.24] by providing a true copy of the original document using only one side of each page on the correct size paper." Notice of June 24, 1992, 1140 O.G. 63-76, at 67.*

*NOTE: "Certification shall be made by the person submitting a copy of an original document that the document submitted is a true copy of the original. The certification is not required to be in an oath or declaration form." M.P.E.P., 6th ed., § 302.01.*

## ASSIGNMENT (DOCUMENT) TO RECORD CHANGE OF ADDRESS

*(check item, if applicable)*

10. ☐ Because the purpose of the attached documents is to record a change of address of the assignee, the particulars of the previously recorded assignments for each application and/or patent are shown.

*NOTE: "Attach Change of Address 16-6."*

## ASSIGNMENT (DOCUMENT) TO RECORD CHANGE OF NAME

*(check item, if applicable)*

11. ☐ Because the purpose of the attached documents is to record a change of name of the assignee, the particulars of the previously recorded assignments for each application and/or patent are shown.

*NOTE: "Attach Change of Name."*

(Assignment (Document) Cover Sheet—page 5 of 6) 16-6

# CHANGE OF PATENT MAINTENANCE FEE ADDRESS

(check item, if applicable)

12. ☐ A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent to the Office separately.

## STATEMENT (37 C.F.R. § 3.31(a)(9)) AND SIGNATURE (37 C.F.R. § 3.31(a)(10))

13. 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.

NOTE: "The term 'party' as used in this rule [§ 3.31] means the person whose name appears on the documents to be recorded, that person's attorney or registered agent, or a corporate officer where a corporation's name appears on the document." Notice of June 24, 1992, 1140 O.G. 63-76, at 65; M.P.E.P. § 302.07 6th ed.

Date: August 27, 2001

\_\_\_\_\_  
Name of party submitting document

\_\_\_\_\_  
Signature of party submitting document

(complete the following, if the party submitting the document is applicant's attorney)

\_\_\_\_\_  
SIGNATURE OF PRACTITIONER

CLIFFORD J. MASS

(type or print name of practitioner)

Reg. No.: 30,086

Tel. No.: (212) 708-7890

Customer No.: 00140

\_\_\_\_\_  
P.O. Address

c/o Ladas & Parry  
26 West 61<sup>st</sup> Street  
New York, N.Y. 10023

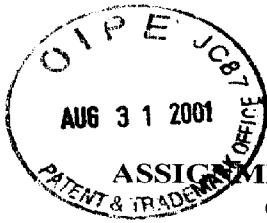
## TOTAL NUMBER OF PAGES BEING SUBMITTED

14. The total number of pages being submitted, including cover sheet attachment(s), and documents are:

9

Total number of pages submitted

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**ASSIGNMENT (DOCUMENT) COVER SHEET**  
(ADDED PAGE 1)

**FURTHER APPLICATION(S) AND/OR  
PATENTS BEING ASSIGNED**

**DETAILS OF PRIOR  
RECORDAL (IF ANY)**

<input type="checkbox"/> In re application: Application No.: Filed: For:	<input type="checkbox"/> International Application PCT/	Reel _____ Frame _____ Date _____
<input checked="" type="checkbox"/> Patent: 5,303,632		Issued: April 19, 1994

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<input type="checkbox"/> In re application: Application No.: Filed: For:	<input type="checkbox"/> International Application PCT/	Reel _____ Frame _____ Date _____
<input checked="" type="checkbox"/> Patent: 4,623,893		Issued: November 18, 1986

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<input type="checkbox"/> In re application: Application No.: Filed: For:	<input type="checkbox"/> International Application PCT/	Reel _____ Frame _____ Date _____
<input type="checkbox"/> Patent:		Issued:

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<input type="checkbox"/> In re application: Application No.: Filed: For:	<input type="checkbox"/> International Application PCT/	Reel _____ Frame _____ Date _____
<input type="checkbox"/> Patent:		Issued:

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<input type="checkbox"/> In re application: Application No.: Filed: For:	<input type="checkbox"/> International Application PCT/	Reel _____ Frame _____ Date _____
<input type="checkbox"/> Patent:		Issued:

*(add additional page for further application(s) and/or patent(s) being assigned)*

**ASSIGNMENT**

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration,

STATE OF ISRAEL - MINISTRY OF DEFENCE,  
ARMAMENT DEVELOPMENT AUTHORITY, RAFAEL,  
P.O. Box 2250,  
31020 Haifa,  
ISRAEL

(hereinafter the Assignor) agrees to assign and hereby does assign, transfer and set over to

RAFAEL LTD.,  
An Israel Company of  
P.O. Box 2250,  
31020 Haifa,  
ISRAEL

(hereinafter the Assignee) its entire right, title and interest in the inventions as fully set forth and described in

U.S. Patent Nos. 5,181,145; 5,303,632 and 4,623,893

to the end of the term for which said Letters Patents may be granted, for the sole use and benefit of said Assignee, its successors, assigns or legal representatives, and hereby covenants that it has full right to convey the interest herein assigned, and that it has not executed and will not execute any agreement in conflict herewith.

And Assignor, on behalf of itself, its representatives and administrators, hereby covenants and agrees to do all such lawful acts and things and to execute without further consideration such further lawful assignments, documents, assurances, applications and other instruments as may reasonably be required by said Assignee, its successors, assigns or legal representatives, to obtain any and all Letters Patent for said inventions and vest



by said Assignee, its successors, assigns or legal representatives, to obtain any and all Letters Patent for said inventions and vest the same in said Assignee, its successors, assigns, or legal representatives.

Signed this 22 day of July, 2001

Assignor  
STATE OF ISRAEL - MINISTRY OF DEFENCE  
RAFAEL - ARMAMENT DEVELOPMENT AUTHORITY

Accepted  
Assignee  
RAFAEL LTD.

DAN DODIUK, ADVOCATE  
GENERAL COUNSEL  
RAFAEL

  
R. BAR-JOSEF  
CHAIRMAN OF THE PATENT COMMITTEE

ARMAMENT DEVELOPMENT AUTHORITY LTD.

by:

Title:

by:

Title: