

09-04-2003
102541389

Attorney Docket No.: 81757.0009

To the Assistant Commissioner for Patents: Please

ad original documents or copy thereof.

1. Name of conveying party(ies):

Keeran Corporation N.V.,
an Antillian company
Netherlands Antilles

9-2-03

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

OY Casparado AB, A Finnish Company
Hämeentie 135 00560 Helsinki, Finland

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: January 31, 2003

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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)

A. Patent No.(s) 5,512,141 and 5,770,020

Additional numbers attached? ☐ Yes ☒ No

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

John P. Scherlach, Esq.
HOGAN & HARTSON L.L.P.
500 South Grand Avenue, Suite 1900
Los Angeles, CA 90071

6. Total number of applications and patents involved: [2]

7. Total fee (37 CFR 3.41) \$80.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number:

50-1314

(Attach duplicate copy of this page if paying by deposit account)

09/03/2003 DBYRNE 00000023 5512141

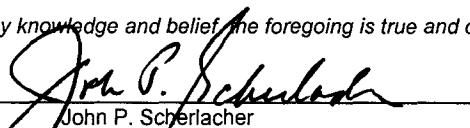
01 FC:0021

80.00 00

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.


John P. Scherlach

Date: August 28, 2003

OMB No. 0651-0011 (exp. 4/94)

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

Mail Stop Assignment Recordation Services
Director of the U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450



CONFIRMATION

We hereby confirm that the Schedule 1 attached hereto is the same as mentioned in the Assignment between Keeran Corporation N.V. and Oy Casparado Ab dated 31st January 2003.

Helsinki 28-3.2003
place and date

Hadwaco Technologies Oy

Juha Kujala
representative
Juha Kujala CEO

Juha Kujala
28.03.2003

By virtue of office:

Hans Sevelius
HANS SEVELIUS
Notary Public



PATENT

REEL: 014438 FRAME: 0281

APOSTILLE

(Convention de La Haye du 5 octobre 1961)

1. Maa:
Land:

Suomi
Finland

Tämän yleisen asiakirjan:
Denna allmänna handling:

2. on allekirjoittanut
är undertecknad av

Hans Sevelius

3. toimiessaan
i egenskap av

julkisena notaarina

4. Siinä oleva leima/sinetti on
är försedd med sigill/stämpel av

Helsingin maistraatti

Todistetaan
Intygas

5. Helsingi ssa
i

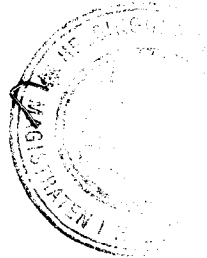
6. 28 päivänä maaliskuuta 2003
den

7. Lauri Haikarainen, julkinen notaari
av

8. No
Nr

2941

9. Sinetti/leima:
Sigill/stämpel:



10. Allekirjoitus:
Underskrift:


Lauri Haikarainen
julkinen notaari

PATENT

REEL: 014438 FRAME: 0282



THIS ASSIGNMENT is made the 31st day of January 2003

BETWEEN

a)

Keeran Corporation N.V.,
an Antillian company limited by shares duly incorporated and existing under the laws of
Netherlands Antilles, (hereinafter referred to as the "Assignor"); and

b)

Oy Casparado Ab (company number 1745515-9)
a Finnish company limited by shares duly incorporated and existing under the laws of Finland and
domiciled in Helsinki (hereinafter referred to as the "Assignee")

WHEREAS

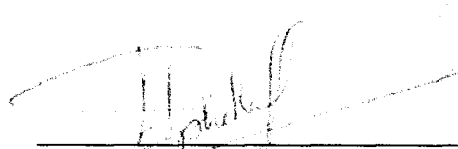
1. The Assignor is the registered proprietor of the patents and patent applications set out in the Schedule 1 hereto.
2. The Assignee has agreed with the Assignor for the sale to the Assignee of the patents and patent applications for the consideration hereinafter mentioned.

NOW IT IS AGREED as follows:

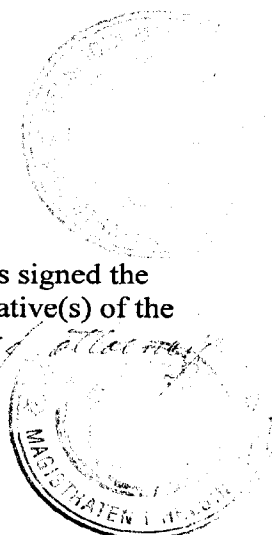
In consideration of the sum of € one (1) receipt whereof is hereby acknowledged by the Assignor,
the Assignor hereby assigns the said patents and patent applications together with all rights
belonging or accrued to the same to hold the same unto the Assignee absolutely.

IN WITNESS WHEREOF the parties hereto have executed this Assignment the day and year first
above written.

Signed by and on behalf of Keeran Corporation N.V.


Herman Spliethoff

It is hereby certified the own hand signature of Herman Spliethoff, who has signed the
Assignment document for the Assignor and that he/she/they is/are lawful representative(s) of the
said company and authorized to sign on behalf of the company *By power of attorney*



PATENT

Notary Public

LAUREN KAPPAHAKEN
Notary Public

31.01.2003

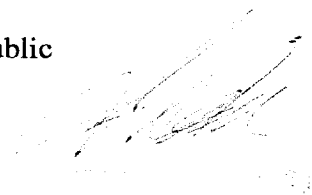
Signed by and on behalf of Ab Casparado Ab



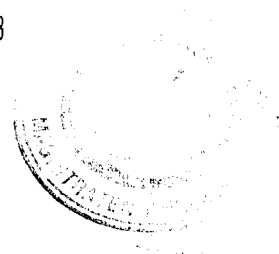
Tauno Palotie, by power of attorney

It is hereby certified the own hand signature of Tauno Palotie, who has signed the Assignment document for the Assignor and that he/she/they is/are lawful representative(s) of the said company and authorized to sign on behalf of the company.

Notary Public



31.01.2003



APOSTILLE

(Convention de La Haye du 5 octobre 1961)

1. Maa:
Land:

Suomi
Finland

Tämän yleisen asiakirjan:
Denna allmänna handling:

2. on allekirjoittanut
är undertecknad av

Lauri Haikarainen

3. toimiessaan
i egenskap av

julkisena notaarina

4. Siinä oleva leima/sinetti on
är försedd med sigill/stämpel av

Helsingin maistraatti

Todistetaan
Intygas

5. Helsinki ssa
i _____

6. 31 päivänä tammi kuuta 2003
den _____

7. Peter Oljemark, julkinen notaari
av _____
1067

8. No
Nr _____

9. Sinetti/leima:
Sigill/stämpel:



10. Allekirjoitus:
Underskrift:

Peter Oljemark
julkinen notaari

For a correct and true copy
Helsinki

24.04.2003

Notary Public



CONFIRMATION

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Helsinki 28-3-2003
place and date

Hadwaco Technologies Oy

Juhani Kujala
representative
Juhani Kujala CEO

Signature of the owner/land signatory

Juhani Kujala
28.03.2003

By virtue of office:

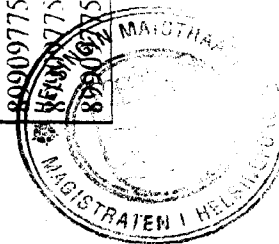
Hans Sevelius
HANS SEVELIUS
Notary Public



Patents in the name of Keeran Corporation

Updated 28.1.2003/1.RS

Application Number	Applica- tion date	Patent granted	Patent No.	Title	Count- ry	Holder	Expiration date	Action 2003	Cost 2003 EUR
883947	26.8.88	10.4.90	79948	Tislainlaitteen höyrystinlaulu	FI	Keeran	26.8.2008	Maintain	667
41986/89	25.8.89	26.7.93	635718	A distillation apparatus III	AU	Keeran	25.8.2009	Lapse	-
PI 8907612	"	24.11.98	PI 8907612-5	"	BR	Keeran	25.8.2004	Lapse	-
509307/89	"	27.8.99	2972253	"	JP	Keeran	25.8.2009	Maintain	967*+561
90-700848	"	29.1.94	70500	"	KR	Keeran	25.8.2009	Lapse	-
4894840.26	"	15.1.94	2005530	"	RU	Keeran	25.8.2009	Lapse	-
89909775.2	"	10.8.94	431030	"	EP	Keeran	National phases fulfilled		
89909775.2	"	10.8.94	431030	"	AT	Keeran	25.08.2009	Lapse	-
89909775.2	"	10.8.94	431030	"	BE	Keeran	25.08.2009	Lapse	-
89909775.2	"	10.8.94	431030	"	CH+LI	Keeran	25.08.2009	Lapse	-
89909775.2	"	10.8.94	68917470	"	DE	Keeran	25.08.2009	Lapse	-
89909775.2	"	10.8.94	8902935	"	ES	Keeran	25.08.2009	Lapse	-
89909775.2	"	10.8.94	431030	"	FR	Keeran	25.08.2009	Maintain	875*+590
89909775.2	"	10.8.94	431030	"	GB	Keeran	25.08.2009	Maintain	1252*+721
89909775.2	"	10.8.94	431030	"	IT	Keeran	25.08.2009	Lapse	-
89909775.2	"	10.8.94	431030	"	LI	Keeran	25.08.2009	Lapse	-
89909775.2	"	10.8.94	431030	"	NL	Keeran	25.08.2009	Lapse	-
89909775.2	"	10.8.94	431030	"	SE	Keeran	25.08.2009	Lapse	-



5.2
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2 (4)

Application Number	Applica- tion date	Patent granted	Patent No.	Title	Count- ry	Holder	Expiration date	Action 2003	Cost 2003 EUR
906170	14.12.90	1.8.94	86961	Lämmön- vaihdin	FI	Keeran	14.12.2010	Maintain	582
2.									
PCT/FI91/00388	16.12.91	-	-	Distillation apparatus I	PCT	Keeran	National phases fulfilled		
2. a									
90483/91	"	23.8.94	648856	"	AU	Keeran	16.12.2011	Lapse	-
2098288	"	17.10.00	2098288	"	CA	Keeran	16.12.2011	Lapse	-
4-502093	"	26.3.99	2904582	"	JP	Keeran	16.12.2011	Maintain	591
93-701758	"	2.9.99	0232015	"	KR	Keeran	16.12.2011	Lapse	-
93.2177	"	24.11.97	301630	"	NO	Keeran	16.12.2011	Lapse	-
93044492.00	"	27.5.97	2080140	"	RU	Keeran	16.12.2011	Lapse	-
751416	"	23.6.98	5770020	"	US	Keeran	13.4.2013	Maintain	0
92900876.1	"	12.3.97	639097	"	EP	Keeran	National phases fulfilled		
92900876.1	"	12.3.97	639097	"	FR	Keeran	16.12.2011	Maintain	590
92900876.1	"	12.3.97	639097	"	GB	Keeran	16.12.2011	Maintain	649
PCT/FI91/00389	16.12.91	-	-	Distillation apparatus II	PCT	Keeran	National phases fulfilled		
2. b									
90663/91	"	4.5.95	655956	"	AU	Keeran	16.12.2011	Maintain	556
2098289	"	17.10.00	2098289	"	CA	Keeran	16.12.2011	Maintain	384
4-501682	"	26.3.99	2904581	"	JP	Keeran	16.12.2011	Maintain	591
93-701759	"	2.9.99	0232014	"	KR	Keeran	16.12.2011	Maintain	504+1323

3 (4)

Application Number	Applica- tion date	Patent granted	Patent No.	Title	Count- ry	Holder	Expiration date	Action 2003	Cost 2003 EUR
93.2178	"	7.5.97	180519	"	NO	Keeran	16.12.2011	Maintain	649
93043874.00	"	10.4.97	2076762	"	RU	Keeran	16.12.2011	Lapse	-
075499	"	30.4.96	5512141	"	US	Keeran	30.4.2013	Maintain	2668
92900801.9	"	14.2.96	0639096	"	EP	Keeran	National phases fulfilled		
92900801.9	"	14.2.96	0639096	"	AT	Keeran	16.12.2011	Maintain	819
92900801.9	"	14.2.96	0639096	"	BE	Keeran	16.12.2011	Maintain	461
92900801.9	"	14.2.96	0639096	"	CH+LI	Keeran	16.12.2011	Maintain	557
92900801.9	"	14.2.96	69117196	"	DE	Keeran	16.12.2011	Maintain	1128
92900801.9	"	14.2.96	0639096	"	DK	Keeran	16.12.2011	Maintain	554
92900801.9	"	14.2.96	0639096	"	ES	Keeran	16.12.2011	Maintain	611
92900801.9	"	14.2.96	0639096	"	FR	Keeran	16.12.2011	Maintain	590
92900801.9	"	14.2.96	0639096	"	GB	Keeran	16.12.2011	Maintain	649
92900801.9	"	14.2.96	0639096	"	IT	Keeran	16.12.2011	Maintain	777
92900801.9	"	14.2.96	0639096	"	NL	Keeran	16.12.2011	Maintain	786
92900801.9	"	14.2.96	0639096	"	SE	Keeran	16.12.2011	Maintain	389

19934143	22.9.93	10.8.95	94217	Kalvotislaimen nes-teeniakaja..	FI	Keeran	22.9.2013	Maintain	533*+433
3.									

Total cost for upkeep of Keeran patents 1 - 3 during 2003, EUR 4.131* + 17.876 EUR									
Penalty payment from 2002									
									22.007



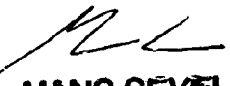
4 (4)

Other Keeran patents and applications that may lapse

Application Number	Applica- tion date	Patent granted	Patent No.	Title	Count- ry	Holder	Expiration date	Action 2003	Cost 2003 EUR
2183656	6.2.95			Lämmönvaihto elementti	CA	Keeran	6.2.2015	Lapse	-
19991408	21.6.99		104957	Lämmönvaiht kantoteline I	FI	Keeran	21.6.2019	Lapse	-
19991797	24.8.99			Lämmönvaiht kantoteline II	FI	Keeran	24.8.2019	Lapse	-
08/693299	30.9.97		5671804	Lämmönvaihto elementti	US	Keeran	6.2.2015	Lapse	-

For a correct and true copy
Helsinki

20.03.2003


HANS SEVELIUS
Notary Public