



To the Honorable Commissioner
Please record the attached original documents or copy thereof.

101897386

ATTN. BOX ASSIGNMENTS

1. Name of conveying party(ies): Takeshi MITSUISHI Hitoshi KAMURA Kenichi SHINDE Hiroki TAKEI Akinori KOBAYASHI Yukihiko TAKAHASHI Yuko WATANABE	2. Name and address of receiving party(ies): Name: HOYA CORPORATION
---	--

11/13/01

J-021 U.S. PTO
 09/986907
 11/13/01

Additional name(s) of conveying party(ies) attached? Yes No Internal Address: Tokyo, Japan

3. Nature of conveyance: Street Address: 7-5, Nakaochiai 2-chome, Shinjyuku-ku

Assignment Merger City: Tokyo

Security Agreement Change of Name State: Japan Zip Code: 161-8525

Other: Additional name(s) & Address(es) attached?

Execution Date: (1) 10/25/01, (2) 10/25/01, (3) 10/30/01, (4) 11/02/01, (5) 10/25/01, (6) 10/25/01, (7) 10/25/01 Yes No

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the filing date of the application: November 12, 2001

A. Patent Application Number(s): <i>09/986907</i>	B. Patent Number(s):
Additional numbers attached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

Name: Charles E. Van Horn

6. Total number of applications and registrations involved:
1

7. Total fee (37 CFR 3.41): \$40

Enclosed (Please charge deficiency to deposit account)

Authorized to be charged to deposit account

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

Street Address: 1300 I Street, N.W.

City: Washington, D.C.

State: Zip: 20005-3315

8. Deposit Account No.: 06-0916

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.

11/16/2001 LNUELLER 00000104 09986907

01 FC:581

40.00 OP

Charles E. Van Horn
Reg. No. 40,266

Charles E. Van Horn

Signature

12 Nov. 2001

Date

Total number of pages including cover sheet, attachments and documents: 5

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

**COMPOSITION FOR VAPOR DEPOSITION, METHOD FOR FORMING
AN ANTIREFLECTION FILM, AND OPTICAL ELEMENT**

for which I/WE executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on _____, 20__ (Serial No. _____); and

WHEREAS, HOYA CORPORATION
a corporation of Japan

whose post office address is 7-5, Nakaochiai 2-chome, Shinjyuku-ku, Tokyo, 161-8525 Japan

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/WE, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/We have hereunto set our hand(s).

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Takeshi MITSUISHI	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 7-5, Nakaochiai 2-chome, Shinjyuku-ku, Tokyo, 161-8525 Japan		CITIZENSHIP Japan
2. FULL NAME OF SECOND ASSIGNOR, IF ANY Hitoshi KAMURA	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 7-5, Nakaochiai 2-chome, Shinjyuku-ku, Tokyo, 161-8525 Japan		CITIZENSHIP Japan
3. FULL NAME OF THIRD ASSIGNOR, IF ANY Kenichi SHINDE	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 7-5, Nakaochiai 2-chome, Shinjyuku-ku, Tokyo, 161-8525 Japan		CITIZENSHIP Japan

4. FULL NAME OF FOURTH ASSIGNOR, IF ANY Hiroki TAKEI	ASSIGNOR'S SIGNATURE <i>Hiroki Takei</i>	DATE Nov. 2, 2001
ADDRESS 7-5, Nakaochiai 2-chome, Shinjyuku-ku, Tokyo, 161-8525 Japan		CITIZENSHIP Japan
5. FULL NAME OF FIFTH ASSIGNOR, IF ANY Akinori KOBAYASHI	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 7-5, Nakaochiai 2-chome, Shinjyuku-ku, Tokyo, 161-8525 Japan		CITIZENSHIP Japan
6. FULL NAME OF SIXTH ASSIGNOR, IF ANY Yukihiro TAKAHASHI	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 7-5, Nakaochiai 2-chome, Shinjyuku-ku, Tokyo, 161-8525 Japan		CITIZENSHIP Japan
7. FULL NAME OF SEVENTH ASSIGNOR, IF ANY Yuko WATANABE	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 7-5, Nakaochiai 2-chome, Shinjyuku-ku, Tokyo, 161-8525 Japan		CITIZENSHIP Japan

219114

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

**COMPOSITION FOR VAPOR DEPOSITION, METHOD FOR FORMING
AN ANTIREFLECTION FILM, AND OPTICAL ELEMENT**

for which I/WE executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on _____, 20____ (Serial No. _____); and

WHEREAS, HOYA CORPORATION
a corporation of Japan

whose post office address is 7-5, Nakaochiai 2-chome, Shinjyuku-ku, Tokyo, 161-8525 Japan

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/WE, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/We have hereunto set our hand(s).

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Takeshi MITSUISHI	ASSIGNOR'S SIGNATURE 三石剛史	DATE 25, Oct, 2001
ADDRESS 7-5, Nakaochiai 2-chome, Shinjyuku-ku, Tokyo, 161-8525 Japan		CITIZENSHIP Japan
2. FULL NAME OF SECOND ASSIGNOR, IF ANY Hitoshi KAMURA	ASSIGNOR'S SIGNATURE 嘉村 春	DATE 25, Oct, 2001
ADDRESS 7-5, Nakaochiai 2-chome, Shinjyuku-ku, Tokyo, 161-8525 Japan		CITIZENSHIP Japan
3. FULL NAME OF THIRD ASSIGNOR, IF ANY Kenichi SHINDE	ASSIGNOR'S SIGNATURE 新井謙一	DATE 30, Oct, '01
ADDRESS 7-5, Nakaochiai 2-chome, Shinjyuku-ku, Tokyo, 161-8525 Japan		CITIZENSHIP Japan

4. FULL NAME OF FOURTH ASSIGNOR, IF ANY Hiroki TAKEI	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 7-5, Nakaochiai 2-chome, Shinjyuku-ku, Tokyo, 161-8525 Japan		CITIZENSHIP Japan
5. FULL NAME OF FIFTH ASSIGNOR, IF ANY Akinori KOBAYASHI	ASSIGNOR'S SIGNATURE 小林 明德	DATE 25. Oct., 2001
ADDRESS 7-5, Nakaochiai 2-chome, Shinjyuku-ku, Tokyo, 161-8525 Japan		CITIZENSHIP Japan
6. FULL NAME OF SIXTH ASSIGNOR, IF ANY Yukihiko TAKAHASHI	ASSIGNOR'S SIGNATURE 高橋 幸弘	DATE 25. Oct. 2001
ADDRESS 7-5, Nakaochiai 2-chome, Shinjyuku-ku, Tokyo, 161-8525 Japan		CITIZENSHIP Japan
7. FULL NAME OF SEVENTH ASSIGNOR, IF ANY Yuko WATANABE	ASSIGNOR'S SIGNATURE 渡邊 裕子	DATE 25. Oct. 2001
ADDRESS 7-5, Nakaochiai 2-chome, Shinjyuku-ku, Tokyo, 161-8525 Japan		CITIZENSHIP Japan

219114