



TO THE DIRECTOR OF THE US PATENT

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EOFF.

11-01-04

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

- 1. Shigeru SHIMAKAWA
- 3.
- 5.
- 7.

- 2.
- 4.
- 6.
- 8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES NO



2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: KABUSHIKI KAISHA TOSHIBA

ADDRESS: 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001 Japan

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

- ASSIGNMENT OF WHOLE PART INTEREST
- ORIGINAL FACSIMILE/PHOTOCOPY
- CHANGE OF NAME VERIFIED TRANSLATION
- SECURITY MERGER OTHER:

EXEC. DATE: July 27, 2004

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (**NOTE:** IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) July 27, 2004

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? YES NO

A. PAT. APP. NO.(S) series code/serial no	M#	1* INVENTOR if not in item 1	B. PATENT NO(S)	M#	1st INVENTOR if not in item 1
10/900,907	0310647				

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

Pillsbury Winthrop LLP
Intellectual Property Group
P.O. Box 10500 McLean, VA 22102

6. NUMBER INVOLVED:
APPLNS 1 + PATS 0 = TOTAL = 1

7. AMOUNT OF FEE DUE: (Code 8021)
ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

P 0310647	FTN0408-US-A	UNDER ORDER NO	070120	0310647
MATTER NO.	CLIENT REF.	dup. sheet not required	CLIENT NO.	MATTER NO.

8. PLEASE CHARGE TO OUR DEPOSIT ACCOUNT
NUMBER: 03-3975

9. 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.

Signature

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet) 2

Attorney: Jeffrey D. Karceski
Reg. No. 35914
Atty/Sec: JDK/nlh

Date: November 1, 2004
TEL: 703.905.2110
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FILE WITH PTO RETURN RECEIPT (PAT-103A)

11/04/2004 6TON11 00000234 033975 10900907
01 FC:8021 40.00 DA

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M#

Client Ref.

NONPROVISIONAL

**ASSIGNMENT
OF NONPROVISIONAL APPLICATION**

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT NAME(S) OF INVENTOR(S)	(1) Shigeru SHIMAKAWA	(2)
	(3)	(4)
	(5)	<input checked="" type="checkbox"/> x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT NAME(S) OF ASSIGNEE(S) & ADDRESS(ES)	KABUSHIKI KAISHA TOSHIBA
	1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001 Japan

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including and all divisions, continuations, substitutes, and reissues thereof, and all resulting patents, known as

TITLE OF INVENTION	OPTICAL DISC APPARATUS MANUFACTURING METHOD AND OPTICAL DISC APPARATUS
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for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE → → (A) even date herewith
 (Complete) (B) on July 27, 2004
 line A, B and/or C) (C) in U.S. Appin. No. / filed

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE → → The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTORS	DATE SIGNED	WITNESSES
1) Name: Shigeru SHIMAKAWA	July 27, 2004	Saichi SUYAMA
2) Name:		
3) Name:		
4) Name:		
5) Name:		
Name:		