Patent and Trademark  In the Honorable Director of this Charles States Patent and Trademark Office Please record the attached original documents or copy the Tab settings + + + + + + + + + + + + + + + + + + +	0192	Docket N	No.: T36-160634M/KOH
Tab settings + 102693966   Very to the Honorable Director of the Child States Patent and Trademark Office Please record the attached original documents or copy to 102693966   Very the Honorable Director of the Child States Patent and Trademark Office Please record the attached original documents or copy to 102693966   Very the Individual States	ORM PTO-1595 (Modified)	·2004 r	U.S. DEPARTMENT OF COMMERCE
To the Honorable Director of the States Patent and Trademark Office, Please record the attached original documents or copy to 1. Name of conveying party(ies):  1. Name: Toyoda Gosci Co., Ltd.  1. Addirosal names(a) of conveying party(ies) attached?  1. Name: Toyoda Gosci Co., Ltd.  1. Addirosal names(a) of conveying party(ies):  1. Aza Nagahata, Ozza Ochiai, Haruhi-cho  1. Addirosal names(a) of conveying party(ies):  1. Aza Nagahata, Ozza Ochiai, Haruhi-cho  1. Addirosal names(a) of conveying party(ies):  1. Aza Nagahata, Ozza Ochiai, Haruhi-cho  1. Addirosal names(a) of conveying party(ies):  1. Aza Nagahata, Ozza Ochiai, Haruhi-cho  1. Addirosal names(a) of conveying party(ies):  1. Aza Nagahata, Ozza Ochiai, Haruhi-cho  1. Addirosal names(a) of conveying party(ies):  1. Aza Nagahata, Ozza Ochiai, Haruhi-cho  1. Addirosal names(a) of conveying party(ies):  1. Aza Nagahata, Ozza Ochiai, Haruhi-cho  1. Addirosal names(a) of conveying party(ies):  1. Aza Nagahata, Ozza Ochiai, Haruhi-cho  1. Addirosal names(a) of conveying party(ies):  1. Aza Nagahata, Ozza Ochiai, Haruhi-cho  1. Addirosal names(a) of conveying party(ies):  1. Aza Nagahata, Ozza Ochiai, Haruhi-cho  1. Addirosal names(a) of conveying party(ies):  1. Aza Nagahata, Ozza Ochiai, Haruhi-cho  2. Name i Toyoda Gosci Co., Ltd.  2. Name : Toyoda Gosci Co., Ltd.  Address: I. Aza Nagahata, Ozza Ochiai, Haruhi-cho  1. Address: I. Aza Nagahata, Ozza Ochiai, Haruhi-cho  2. Name i Toyoda Gosci Co., Ltd.  Address: I. Aza Nagahata, Ozza Ochiai, Haruhi-cho  2. Name i Toyoda Gosci Co., Ltd.  Address: I. Aza Nagahata, Ozza Ochiai, Haruhi-cho  Addre			Patent and Trademark Office
1. Name of conveying party(ies):  7. Name and address of receiving party(ies):  Name: Toyoda Gosei Co., Ltd.  Additional names(s) of conveying party(ies) attached?  Shin Sato  Additional names(s) of conveying party(ies) attached?  Name: Toyoda Gosei Co., Ltd.  Address: 1, Aza Nagahata, Ozza Ochiai, Haruhi-cho  Additional names(s) of conveying party(ies) attached?  Name: Toyoda Gosei Co., Ltd.  Address: 1, Aza Nagahata, Ozza Ochiai, Haruhi-cho  Additional names(s) of conveying party(ies):  Name: Toyoda Gosei Co., Ltd.  Address: 1, Aza Nagahata, Ozza Ochiai, Haruhi-cho  Additional names(s) of conveying party(ies):  Name: Toyoda Gosei Co., Ltd.  Address: 1, Aza Nagahata, Ozza Ochiai, Haruhi-cho  Address: 1, Aza Na	Tab settings → → → 102693	3966 _▼	<b>V V</b>
Vikitoshi Inui Kuniyoshi Kondo Tatsuya Yamashita Shin Sato Additional names(s) of conveying partylies) attached?   Yes	To the Honorable Director of the States Patent and Trademar	T	
3. Nature of conveyance:    Massignment	Yukitoshi Inui Manabu Kagami ' Kuniyoshi Kondo Hiroshi Ito Tatsuya Yamashita Shin Sato	Name: Toyoda Gosei Co., Ltd.	
Security Agreement Change of Name Country: JAPAN ZIP: 452-8564  Execution Date: February 3, 2004  Additional name(s) & address(es) attached? Yes No  Additional name(s) & addressed name(s) & addressed name(s) & No  Additional name(s) & addre	Additional names(s) of conveying party(ies) attached?		
Security Agreement Change of Name  Other  Execution Date: February 3, 2004  Additional name(e) & address(es) attached? Yes No  Do Not user 18, 2004  Additional name(e) & address(es) attached? Yes No  Additional name(e) & addressed No  B. Patent No.(s)	3. Nature of conveyance:		
Country: JAPAN ZIP: 452-8564  Execution Date: February 3, 2004  4. Application number(s) or patent numbers(s):  If this document is being filed together with a new application, the execution date of the application is:  Patent Application No. Filing date  B. Patent No.(s)  10/693,605  October 27, 2003  33/11/2004 KDARTE1 00000054 10693605  04 FC:8021  Additional numbers attached? Yes Management No.  Name and address of party to whom correspondence concerning document should be mailed:  Name: Sean M. McGinn  Registration No. 34,386  Address: McGinn & Gibb, PLLC  8321 Old Courthouse Road  Suite 200  City: Vienna State/Prov.: VA  Country: USA ZIP: 22182-3817  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 of the original document.  Sean M. McGinn  Name of Person Signing  Name of Person Signing	■ Assignment		
Execution Date: February 3, 2004  4. Application number(s) or patent numbers(s):  If this document is being filed together with a new application, the execution date of the application is:  Patent Application No. Filing date  B. Patent No.(s)  10/693,605  October 27, 2003  93/11/2004 MDRMTE1 00000054 10693605  04 FC:8021  Additional numbers attached?  Yes  No  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Sean M. McGinn  Registration No. 34,396  Address: McGinn & Gibb, PLLC  8321 Old Courthouse Road  Suite 200  City: Vienna  Country: USA  State/Prov.: VA  Country: USA  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 of the original document.  Sean M. McGinn  Name of Person Signing  Name of Person Signing  Additional numbers (s) address(es) attached?  Yes  No  Additional name(s) & address(es) attached?  Yes  No  B. Patent No.(s)  6. Total number of applications and patents involved:  6. Total number of applications and patents involved:  Challender (a) Total fee (37 CFR 3.41):	☐ Security Agreement ☐ Change of Name	City: Nishikasugai-gun	
4. Application number(s) or patent numbers(s):  If this document is being filed together with a new application, the execution date of the application is:  Patent Application No. Filling date  B. Patent No.(s)  10/693,605  October 27, 2003  93/11/2004 MDANTE1 00000054 10693605  94 FC:8021  Additional numbers attached?  Yes No  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Sean M. McGinn  Registration No. 34,386  Address: McGinn & Gibb, PLLC  8321 Old Courthouse Road  Suite 200  City: Vienna  Country: USA  ZIP: 22182-3817  Country: USA  Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a frue of the original document.  Sean M. McGinn  Name of Person Signing  Signature  3 Date	☐ Other	Country: JAPAN	ZIP: 452-8564
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Patent Application No. Filing date  10/693,605  October 27, 2003  93/11/2004 MDARTE1 00000054 10693605  04 FC:8021  Additional numbers attached? Yes No  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Sean M. McGinn  Registration No. 34,386  Address: McGinn & Gibb, PLLC  8321 Old Courthouse Road  Suite 200  City: Vienna  Country: USA  ZIP: 22182-3817  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 of the original document.  March 8, 2004  March 8, 2004  Name of Person Signing  Date		n, the execution date of the a	pplication is:
10/693,605 October 27, 2003  03/11/2004 MDAHTE1 00000054 10693605 04 FC:8021			
Additional numbers attached? Yes No  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Sean M. McGinn  Registration No. 34,386  Address: McGinn & Gibb, PLLC  8321 Old Courthouse Road  Suite 200  City: Vienna  Country: USA  ZIP: 22182-3817  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 of the original document.  Sean M. McGinn  Name of Person Signing  Additional numbers attached? Yes No  6. Total number of applications and patents involved:  6. Total number of applications and patents involved:  7. Total fee (37 CFR 3.41):		(,	
Additional numbers attached? Yes No    Solution   Sean M. McGinn   Sean M. McGinn   Solute 200   Solution   State/Prov.: VA   Country: USA   ZIP: 22182-3817   Country: USA   ZIP: 22182-3817   Country: USA   ZIP: 22182-3817   Country: USA   ZIP: 22182-3817   Country: Usa   Cou	10/693,605 October 27, 2003		
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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 of the original document.  Sean M. McGinn  Name of Person Signing  Signature  March 8, 2004  Date	Country: <u>USA</u> ZIP: <u>22182-3817</u>	(Attach duplicate copy of this	s page if paying by deposit account)
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Name of Person Signing Signature 3	To the best of my knowledge and belief, the foregoing info	mation is true and correct and	
Name of Ferson Signing		Signature	Date
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Director of the United States Patent and Trademark Office
P.O. Box 1450, Alexandria, VA 22313-1450

## ASSIGNMENT OF APPLICATION FOR PATENT

## **WHEREAS**

NAME AND ADDRESS

OF ASSIGNOR

Yukitoshi Inui of Nishikasugai-gun, Aichi, Japan, Kuniyoshi Kondo of Nishikasugai-gun, Aichi, Japan, Tatsuya Yamashita of Nisshin-shi, Aichi, Japan, Akari Kawasaki of Aichi-gun, Aichi, Japan, Manabu Kagami of Nagoya-shi, Aichi, Japan, Hiroshi Ito of Kasugai-shi, Aichi, Japan, Shin Sato of Tokyo, Japan and Hisao Kato of Tokyo, Japan

(HEREINAFTER REFERRED TO AS ASSIGNOR), have invented and own a certain new and useful invention entitled:

MATERIAL COMPOSITION FOR PRODUCING OPTICAL WAVEGUIDE AND METHOD FOR PRODUCING OPTICAL WAVEGUIDE

TITLE OF INVENTION:

## **WHEREAS**

FULL NAME AND ADDRESS OF ASSIGNEE

TOYODA GOSEI CO., LTD. of 1, Aza Nagahata, Oaza Ochiai, Haruhi-cho, Nishikasugai-gun, Aichi 452-8564 Japan

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title, and interest in, to and under said invention and the United States Letters Patent to be obtained therefor:

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment of ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR, by these presents, hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States Patent obtained therefor on said application or any

(Assignment of Application for Patent -- page 1 of 2)

PATENT REEL: 015060 FRAME: 0446 continuation, division, renewal, substitute or reissue thereof for the full term or terms to said ASSIGNEE, of the entire right, title, and interest in and to the same, for his sole use and behoof, and for the use and behoof of his legal representatives, to the full end of the term or terms for which said Letters Patent obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for may be granted, as full and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

DATE OF SIGNING

IN WITNESS WHEREOF, I/We have hereunto set

hand and seal this 3rd day of February, 2004.

SIGNATURE	yukitoshi Anui	By: Yukitoshi Inui
SIGNATURE	Kuniyashi Kondo	By: Kuniyoshi Kondo
SIGNATURE	Tatsuja Jameshita	By: Tatsuya Yamashita
SIGNATURE	ahari Kawasahi	By: Akari Kawasaki
SIGNATURE	manahe Kagami	By: Manabu Kagami
SIGNATURE	Knoshi Ino	By: <u>Hiroshi Ito</u>
SIGNATURE	Shin Satoh	By: Shin Sato
SIGNATURE	HISAO KATO	By: Hisao Kato
WITNESSES		Hitoshi Kato Yojiro Koike

(Assignment of Application for Patent - page 2 of 2)

RECORDED: 03/08/2004

PATENT REEL: 015060 FRAME: 0447