		Docket No.: 1235		
To the Honorable Commissioner of Patents and Trademarks: Please recora ne attached original docurpents or copy thereof. 1. Name of conveying party(ies) 2. Name and address of receiving party(ies): HNA Holdings, Inc. 2. Name and address of receiving party(ies): Additional names(s) of conveying party(ies) 2. Name and address: Additional names(s) of conveying party(ies) 2. Name and address: Additional names(s) of conveying party(ies) 2. Name and address: Additional names(s) of conveying party(ies) 2. Name and address: Cher Change of Name City: Cersting Security Agreement Change of Name City: Cauntry: New York ZIP: 14831 Execution Date: January 13, 1999 Additional name(s) & address(es) 2 Yes I No 4. Application number(s): Filing date B. Patent Application No. Filing date B. Patent No.(s) \$,234,557 S. State 80,00 IP Additional numbers 2 Yes IS No 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: 2 7. Total fee (37 CFR 3.41): \$ 80,00	FORM PTO-1595 (Modified) (Rev. 6-93) OMB No. 0651-0011 (exp.4/94) Copyright 1996-97 LegalStar			
1. Name of conveying party(ies): 1. Name of conveying party(ies): 1. Name of conveying party(ies): 1. Name: Corring Incorporated Additional names(s) of conveying party(ies): 1. Yes 20 No 3. Nature of conveyance: 2. Name and address of receiving party(ies): 2. Mare endedstates of conveyance: 2. Name and address: 2. Mare endedstates of conveyance: 2. Name and address: 2. Other Change of Name 2. Other Change of Name 3. Other Change of Name 3. Other Change of Name 4. Application number(s) or registration 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 5. Name and address of party to whom correspondence concerning document should be mailed: 9. Patent No.(5) 5. State and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: 2 7. Total fee (37 CFR 3.41): S 80.00 2 Enclosed - Any excess or inaufficiency should be could be of abilised to deposit account City: Craing State/Proy: NY 0 Authorized to be charged to deposit account 8. Deposit account number: <td< td=""><td></td><td></td></td<>				
HNA Holdings, Inc. Name: Corning Incorporated Additional names(s) of conveying party(ins) Yes SI No 3. Nature of conveyance: Additional names(s) of conveying party(ins) Yes SI No 3. Nature of conveyance: Merger Security Agreement Change of Name Other Country: New York ZIP: 14831 Execution Date: January 13, 1999 Additional name(s) & address(ce) Yes SI No 4. Application number(s) or registration 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) 5.234.557 S.053.168 issued issued a7:073 10/1/91 If Fi:531 S0.00 BP Address: Corning Incorporated 6. Total number of applications and patents involved: 2 Name: Mr. Alfred L. Michaelsen, Senior Vice President Registration No. Enclosed - Any excess or inagelineony should be mailed: Name: Mr. Alfred L. Michaelsen, Senior Vice President Registration No. Enclosed - Any excess or inagelineony should be creatiled or dabled to deposit account Address:				
3. Nature of conveyance: 21. Assignment 22. Assignment 23. Security Agreement 24. Other 25. Other 26. Other 27. Other 27. Other 28. Application number(s) or registration numbers(s): 29. Mathematical field together with a new application, the execution date of the application is: Patent Application No. Filing date 29. Patent Application Solutions 21. Filing date 21. Filing date 22. Patent No.(s) 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Mr. Alfred L. Michaelsen, Senior Vice President Registration No. State/Prov.: NY Cauntry: USA City: Crning State/Prov.: NY Country: USA </td <td></td> <td colspan="3">Name: Corning Incorporated</td>		Name: Corning Incorporated		
⊠ Assignment □ Merger □ Security Agreement □ Change of Name □ Other □ Country: New York ZIP: 14831 Execution Date: January 13, 1999 Additional name(s) & address(es) □ Yes ⊇ No 4. Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: □ Yes ⊇ No Patent Application No. Filing date B. Patent No.(s) 5,234,557 5,053,168 B2/24/1999 DGB/ES 0000660 5234557 □ Yes ⊇ No 5 Name and address of party to whom correspondence concerning document should be mailed: G. Total number of applications and patents involved: 2 Name: Mr. Alfred L. Michaelsen, Senior Vice President 7. Total fee (37 CFR 3.41):	Additional names(s) of conveying party(ies)			
□ Security Agreement □ Change of Name City: Corning State/Prov.: □ Other Country: New York ZIP: 14831 Execution Date: January 13, 1999 Additional name(s) & address(es) □ Yes ☑ No 4. Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: □ Yes ☑ No 9 Additional numbers □ Yes ☑ No 0 0 0 9 F1:531 120,00 0P Additional numbers □ Yes ☑ No 9 F1:531 120,00 0P Additional numbers □ Yes ☑ No 9 F1:531 120,00 0P Additional numbers □ Yes ☑ No 9 F1:531 120,00 0P Additional numbers □ Yes ☑ No 9 F1:531 120,00 0P Additional numbers □ Yes ☑ No 9 F1:531 120,00 0P Additional numbers □ Yes ☑ No 9 F1:531 120,00 0P Additional numbers □ Yes ☑ No 9 Name: Mr. Alfred L. Michaelsen, Senior Vice President 7. Total nee (37 CFR 3.41): S 80.00 10 ☑ F11831 ☑<				
□ Other Country: New York ZIP: 14831 Execution Date: January 13, 1999 Additional name(s) & address(es) □ Yes I No 4. Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: Patent No.(s) Patent Application No. Filing date B. Patent No.(s) 5.234,557 \$.053,168 187/24/1999 bC08TES 80,00 @P 197:531 10 197:531 10 10 Authorized to deposit account <t< td=""><td></td><td>City: Corning State/Prov</td></t<>		City: Corning State/Prov		
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concerning document should be mailed: 0. Total full influence of applications and patents involved. 2 Name: Mr. Alfred L. Michaelsen, Senior Vice President 7. Total fee (37 CFR 3.41):\$ 80.00 Registration No.	02 FC:584 120.00 DP Additional numbers			
Registration No.		6. Total number of applications and patents involved: 2		
Address: Corning Incorporated Address: Corning Incorporated Graing State/Prov.: Name of Person Signing Signature	Name: Mr. Alfred L. Michaelsen, Senior Vice President	7. Total fee (37 CFR 3.41):\$ 80.00		
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City: Crning State/Prov.: NY Country: USA ZIP: 14831 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 copy of the original document. 1/6/99 Michael A. Caputo - Reg. No. 24,237 MMMM 10 Name of Person Signing Signature 10		Authorized to be charged to deposit account		
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 copy of the original document. Michael A. Caputo - Reg. No. 24,237 MMMM J/6/9.9 Name of Person Signing Signature Date		8. Deposit account number:		
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Name of Person Signing Signature Date	9. Statement and signature. To the best of my knowledge and belief, the foregoing inform of the original document.	ation is true and correct and any attached copy is a true copy		
	_	Signature		

REEL: 9556 FRAME: 0503

ASSIGNMENT

WHEREAS, HNA HOLDINGS, INC. (legal successor to Hoechst Celanese Corporation (HNA), a corporation organized and existing under the laws of the State of Delaware, having its principal place of business at 30 Independence Boulevard, Warren, New Jersey 07059, USA, is the owner of United States Patent No. 5,234,557, issued August 10, 1993, entitled "NONLINEAR OPTICAL MEDIUM WITH A STABLE NONCENTROSYMMETRIC POLYMERIC STRUCTURE" and United States Patent No. 5,053,168, issued October 1, 1991, entitled "NONLINEAR OPTICAL MEDIUM WITH A STABLE NONCENTROSYMMETRIC POLYMERIC POLYMERIC STRUCTURE"; and

WHEREAS, HNA has agreed to assign to CORNING INCORPORATED, Corning, New York 14831 (CORNING), said United States Patents, recorded March 4, 1991 under Reel Number 5633, Frame Number 0064 and April 14, 1988 under Reel Number 4898, Frame Number 0715, respectively.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and for other good and valuable consideration, HNA sells, assigns and transfers to CORNING and the successors, assigns and legal representatives of CORNING the entire right, title and interest in and to said Patents and any reissue or re-examination thereof and including all foreign members of the same family of patent applications as listed on Schedule A, including all rights to claim priority, in and to any and all improvements which are disclosed in the inventions.

> PATENT REEL: 9556 FRAME: 0504

HNA hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

HNA further covenants that CORNING will, upon its request, be provided promptly with all pertinent facts and documents relating to said inventions and said Patents and legal equivalents as may be known and accessible to HNA and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to CORNING or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said inventions and said Patents and said equivalents thereof which may be necessary or desirable to carry out the purposes hereof.

HNA hereby authorizes CORNING to apply for and obtain the recordation of this Assignment. HNA agrees that it shall, without further consideration, promptly and duly cause to be performed such lawful acts and execution of any other documents as CORNING may reasonably request in order for CORNING to obtain the full benefits of this Assignment and to permit CORNING to be duly recorded in each office, bureau and tribunal in the appropriate jurisdiction as the registered owner or proprietor of the rights hereby assigned. Such instruments and documents shall include, without limitation, such patents, affidavits and other documents for filing in such jurisdictions as CORNING may from time to time reasonably request.

By these presents **CORNING** does hereby accept this Assignment and authorizes the recording thereof with the appropriate authorities aforesaid.

PATENT REEL: 9556 FRAME: 0505

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IN WITNESS WHEREOF, the parties have caused this Assignment to be executed by its proper officers thereunto duly authorized on January 13, 1999.

> HNA HOLDINGS, INC. (legal successor to HOECHST CELANESE CORPORATION)

Assignor Bν Michael A. Laputo **Assistant Secretary** Title

State of New Jersey)	
)	ss.:
County of Union)	

Before me, a Notary Public, in and for said County, personally appeared MICHAEL A. CAPUTO who acknowledged that he is the Assistant Secretary of HNA Holdings, Inc., the corporation which executed the foregoing instrument and who acknowledged he signed said instrument on behalf of said corporation by authority of its Board of Directors; and that said instrument is the free corporate act and deed of HNA Holdings, Inc.

Sworn before me at Summit, New Jersey this $\underline{/3^7}^{k}$ day of January 1999.

Just A

CORNING INCORPORATED

Assignee

Negel 1 Mechander

Alfred E. Michaelsen Senior Vice President

Title

SCHEDULE A

HNA Holdings, Inc./ Patent Applications

Application No.	Country
596,581	Canada
94290/1989	Japan

PATENT REEL: 9556 FRAME: 0507 ::

PAGE 1

State of Delaware Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE RESTATED CERTIFICATE OF "HOECHST CELANESE CORPORATION", CHANGING ITS NAME FROM "HOECHST CELANESE TO" HNA HOLDINGS ,- INC. ", FILED IN THIS OFFICE ON CORPORATION" THE SECOND DAY OF JANUARY, A.D. 1998, AT 8:30 O'CLOCK A.M.

CAROL R. MADDALONI NOTARY PUBLIC OF NEW JERSEY MY COMMISSION EXPIRES MAY 19, 2003



Edurth Brul

Edward J. Freel, Secretary of State

AUTHENTICATION:

8875955

DATE:

01-21-98



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RESTATED CERTIFICATE OF INCORPORATION HOECHST CELANESE CORPORATION

Hoechst Celanese Corporation, incorporated under the name "The American Cellulose & Chemical Manufacturing Company, Ltd." by the filing of its original Certificate of Incorporation with the Secretary of State on January 5, 1918, does hereby file this Restated Certificate of Incorporation which has been duly adopted by the Board of Directors and the sole Stockholder. The text of this Restated Certificate of Incorporation as heretofore amended or supplemented is hereby restated and further amended to read in its entirety as follows:

FIRST: The name of the Corporation is HNA HOLDINGS, INC.

SECOND: The address of the registered office of the Corporation in the State of Delaware is Corporation Trust Center, 1209 Orange Street in the City of Wilmington, County of New Castle. The name of its registered agent at such address is The Corporation Trust Company.

THIRD: The nature of the business and the objects and purposes proposed to be conducted or promoted by the Corporation, are to engage in any activity for which corporations may be organized under the General Corporation Law of Delaware.

FOURTH: The total number of shares of stock that the Corporation shall have authority to issue is ten thousand (10,000) shares of Common Stock, par value \$0.10 per share.

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FIFTH: The Board of Directors is authorized to adopt, amend or repeal the Bylaws of the Corporation.

SIXTH: Meetings of stockholders shall be held at such place, within or without the State of Delaware, as may be designated by or in the manner provided by the By-laws. The books of the Corporation may be kept (subject to any provision contained in the Delaware General Corporation Law) outside of the State of Delaware at such place or places as may be designated from time to time by the Board of Directors in the By-laws of the Corporation. Elections of directors need not be by written ballot unless and to the extent that the By-laws so provide.

SEVENTH: The Corporation reserves the right to amend, alter or repeal any provision contained in this Restated Certificate of Incorporation in the manner now or hereafter prescribed by statute, and all rights of stockholders herein are subject to this reservation.

EIGHTH: No director of the Corporation shall be personally liable to the Corporation or its stockholders for monetary damages for breach of fiduciary duty as a director; except for liability (i) for any breach of the director's duty of loyalty to the corporation or its stockholders, (ii) for acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law, (iii) under Section 174 of the General Corporation Law of the State of Delaware, or (iv) for any transaction from which the director derived an improper personal benefit.

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PATENT REEL:-9556 FRAME: 0510 This Restated Certificate of Incorporation was duly adopted by the sole stockholder in accordance with the provisions of Sections 242 and 245 of the Delaware General Corporation Law.

IN WITNESS WHEREOF, said HNA Holdings, Inc. has caused its corporate seal to be hereunto affixed and this certificate to be signed by David A. Jenkins, its President and attested by Julie K. Chapin, its Assistant Secretary, this 2rd day of January, 1998.

HNA HOLDINGS, INC.

President

ATTEST By:

[SEAL]

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PATENJTAL PAGE. 24 ** REEL: 9556-FRAME: 0511