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OMIN NO.603 (027 (cp. 6/30206))       PATENTS ONLY         Tab serings       To the Hosoable Commissioner of Patents and Tradematks: Please record the attached original documents or copy thereof.         1. Name of conveying party(ics):       Raymond M.I., Ting         Raymond M.I., Ting       Name: Advanced Building Systems, Inc.         Image: Advanced Building Systems, Inc.       Image: Advanced Building Systems, Inc.         Socurity Agreement       Change of Name         Other       Street Address:         Socurity Agreement       Change of Name         Other       Street Address:         Dotter       Street Address:         Patent No.(s)       If Subjection No.(s)         If Socurity Agreement       Change of Name         Additional number(s) or patent number(s):       For Similar Socurity (sc):         Hits document is being filed together with a new application, the execution date of the application is:       Name: and iddress of party to whom correspondence         conterning document should be mailed:       Name: Richard L Byrne       Street Address:       20.00         Name:       Richard L Byrne       Street Address:       20.00         Street Address:       700 Koppers Building       23-0650         436 Seventh Avenue       City       Internal Address:       20.00         City			
1. Name of conveying party(ies):         Raymond M.L. Ting         Additional name(s) of conveying party(ies) attached?         Yes         Security Agreement         Other         Security Agreement         Other         Street Address:         11 Silverside Road         Additional 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)         It220.428         Additional numbers attached?         Name:         Richard L. Byrne         Internal Address:         Webb Ziesenheim Logdon         Orkin & Hanson, P.C.         Street Address:         Yes         No         Name:         Richard L. Byrne         Internal Address:         Webb Ziesenheim Logdon         Orkin & Hanson, P.C.         Storeet Address:       700 Koppers Building <t< th=""><th></th><th>Form PTO-1595         2         0         0         10236           (Rev. 10/02)         2         (0         0         1         10236         PATENT           OMB No. 0651-0027 (exp. 6/30/2005)         (exp. 6/30/2005)         PATENT         1         10236         1         10236         1</th><th>U.S. DEPARTMENT OF COMMERC</th></t<>		Form PTO-1595         2         0         0         10236           (Rev. 10/02)         2         (0         0         1         10236         PATENT           OMB No. 0651-0027 (exp. 6/30/2005)         (exp. 6/30/2005)         PATENT         1         10236         1         10236         1	U.S. DEPARTMENT OF COMMERC
Raymond M.I. Ting         Addit onal name(s) of conveying party(ics) attached?       Yes         Addit onal name(s) of conveying party(ics) attached?       Yes         Assignment       Internal Address:         Assignment       Merger         Security Agreement       Change of Name         Other       Change of Name         Other       Change of Name         Additional number(s) or patent number(s):       Additional name(s) & address(ex) attached?         Yes       Name         Application number(s) or patent number(s):       Hit is document is being filed together with a new application, the execution date of the application is:         A. Application number(s) or patent number(s):       B. Patent No.(s)         If this document is being filed together with a new application at anters) & additional numbers attached?       Yes         Name:       Richard L, Byrne         Internal Address:       700 Koppers Building         436 Seventh Avenue       (Attach duplicate copy of this page if paying by deposit account)         City:       Pittsburgh         State:       PA         Zip:       IS219         Do NOT USE THIS SPACE       9.         9.       Statement and signature.         To the kest of my knowledge and belief, the foregoing information is true and correct and an			
Addit onal name(s) of conveying party(se) attached? Yes X No 3. Nature of conveyance: X Assignment I Merger Security Agreement I Change of Name Other			2. Name and address of receiving party(ies)
Additional name(s) of conveyance:       Image: Street Address:       103 Springer Building         Image: Assignment       Image: Change of Name       Street Address:       103 Springer Building         Image: Assignment       Image: Change of Name       Street Address:       103 Springer Building         Image: Assignment       Image: Change of Name       Street Address:       103 Springer Building         Image: Assignment       Image: Change of Name       Street Address:       103 Springer Building         Image: Additional number(s) or patent number(s):       If this document is being filed together with a new application, the execution date of the application is:       No         A Patent Application No.(s)       Image: Additional numbers attached?       Yes       No         State and address of party to whom correspondence concerning document should be mailed:       No       State (37 CFR 341)		Raymond M.L. Ting	Name: Advanced Building Systems, Inc.
X       Assignment       Merger         Security Agreement       Change of Name       3411 Silverside Road         Other       Gittington State:       Dit Zipp 19810         Execution Date:       January 22, 2003       Additional number(s) address(es) attached?       Yes         Additional number(s) or patent number(s):       If this document is being filed together with a new application, the execution date of the application is:       Additional numbers attached?       Yes       No         A patient Application No.(s)       IU/280 428       Additional numbers attached?       Yes       No         Street Address:       Other       Gittional numbers attached?       Yes       No         Street Address:       Merger       Street Address:       9 Ves       No         Street Address:       Webb Ziesenheim Logsdon       6. Total number of applications and patents involved:       1.         Name:       Richard L. Byrne       Street Address:       700 Koppers Building       23-0650         436 Seventh Avenue       Authorized to be charged to deposit account       1.       Natech duplicate copy of this page if paying by deposit account         City:       Pittsbargh       State:       PA       Zip:       15219         DO NOT USE THIS SPACE       9.       Statereent and signature.       Too number of page		Addit onal name(s) of conveying party(ies) attached? Yes X N	
Security Agreement       Change of Name         Other       3411 Silverside Road         Other       3411 Silverside Road         City:       Witnington         Street Address:       103 Springer Building         Application number(s) or patent number(s):       Additional numbers & address(s) attached?       Yes         If this document is being filed together with a new application, the execution date of the application is:       B. Patent No.(s)         10/280.428       Additional numbers attached?       Yes       No         S. Name and address of party to whom correspondence concerning document should be mailed:       S. Total number of applications and patents involved:       Total fee (37 CFR 3.41)		3. Nature of conveyance:	
Security Agreement       Change of Name         Security Agreement       Change of Name         Other       3411 Silverside Road         Other       Gittional name(s) & address(es) attached?         Execution Date:       January 22, 2003         Additional name(s) & address(es) attached?       If we is being filed together with a new application, the execution date of the application is:         A. 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)       IV280,428         IV280,428       Additional numbers attached?         Yes       No         5. Name and address of party to whom correspondence concerning document should be mailed:       6. Total number of applications and patents involved:         Name:       Richard L Byrne         Internal Address:       Yebb Ziesenbeim Logsdon         Orkin & Hanson, P.C.       8. Deposit account number:         Street Address:       700 Koppers Bailding         436 Seventh Avenue       Zip:         City:       Pittsburgh         State:       PA         Do NOT USE THIS SPACE         9. Statement and signature.       To the basi of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the origin		X Assignment Merger	
3411 Silverside Road         City:       Wilmington         Execution Date:       January 22, 2003         Additional name(s) & address(s) attached?       Yes         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)       B. Patent No.(s)         10/280.428       Additional numbers attached?         Anne:       Richard L. Byrne         Internal Address:       Webb Ziesenheim Logsdon         Orkin & Hanson, P.C.       6. Total number of applications and patents involved:         Street Address:       700 Koppers Building         436 Seventh Avenue       23-0650         City:       Pitsburgh         City:       Pitsburgh         State:       PA         Zip:       15219         DO NOT USE THIS SPACE       9. Statement and signature.         Total number of pages including cover sheet, attachments, and document:       2         Richard L. Dyrne, Reg. No. 28.498       Signature         Name of Person Signit       Signature         Total number of pages including cover sheet attachments, and document:       2         Additoral number of pages including cover sheet informatio			Street Address: 103 Springer Building
Execution Date:       January 22, 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:       D.         A. Patent Application No.(s)       If this document is being filed together with a new application, the execution date of the application is:       D.         A. Patent Application No.(s)       If this document is being filed together with a new application, the execution date of the application is:       D.         No       S. Narke and address of party to whom correspondence concerning document should be mailed:       D.       Total number of applications and patents involved:         Name:       Richard L. Byrne       S.       O.       Total Address:       \$ 40.00         Matter Related Address:       Webb Ziesenheim Logsdon       Authorized to be charged to deposit account       Deposit account number:         Street Address:       700 Koppers Building       23-0650       Attach duplicate copy of this page if paying by deposit account)         City:       Pittsburgh       State:       PA       Zip:       15219         Do NOT USE THIS SPACE       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.         Richard L. Byrne, Reg. No. 28,498			J. J
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)         10/280.428         Additional numbers attached?         It vis I         Additional numbers attached?         It vis I         S. Name and address of party to whom correspondence concerning document should be mailed:         Name:       Richard L, Byrne         Internal Address:       Webb Ziesenheim Logsdon         Orkin & Hanson, P.C.       B. Deposit account number:         Street Address:       700 Koppers Building         436 Seventh Avenue       (Attach duplicate copy of this page if paying by deposit account)         City:       Pittsburgh         State:       PA         Zip:       15219         DO NOT USE THIS SPACE         9. Statement and signature.       Commber of pages including over sheet attachments, and document:         Richard L. Byrne, Reg. No. 28,498       Signature         Name of Person Signin       Signature         Tota number of pages including over sheet attachments, and document:       2         Pages including over sheet information to:       2         Optional could be repaided over sheet information to:       2			City: <u>Wilmington</u> State: <u>DE</u> Zip: <u>19810</u>
If this document is being filed together with a new application, the execution date of the application is:         A. Patent Application No.(s)         10/280.428         Additional numbers attached?         Yes         No         S. Name and address of party to whom correspondence concerning document should be mailed:         Name:       Richard L. Byrne         Internal Address:       Webb Ziesenheim Logsdon         Orkin & Hanson, P.C.         Street Address:       700 Koppers Building         436 Seventh Avenue       (Attach duplicate copy of this page if paying by deposit account)         City:       Pittsburgh         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.         Richard L. Byrne, Reg. No. 28,498       Mutual Mathematics attachments, and documents:         Patter Address:       700 Koppers State:         Patter Address       Paying by deposit account)         Compared Base       Signature         Potent and signature.       February 5, 2003         Do NOT USE THIS SPACE       Signature         Patter Commissioner of Pages including cover sheet information to:       Date         Commissioner of Pages including cover sheet information to:       Commissioner of Pages including co		Execution Date: January 22, 2003	Additional name(s) & address(es) attached?
5. Name and address of party to whom correspondence concerning document should be mailed:       6. Total number of applications and patents involved:         Name:       Richard L. Byrne         Internal Address:       Webb Ziesenheim Logsdon         Orkin & Hanson, P.C.       Authorized to be charged to deposit account         Street Address:       700 Koppers Building         436 Seventh Avenue       (Attach duplicate copy of this page if paying by deposit account)         City:       Pittsburgh         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.         Richard L. Byrne, Reg. No. 28,498       Muture for ageneration is true and courters.         Name of Person Signifity       Signature         Total number of pages including cover sheet, atachments, and documents:       Date         Date       To the documents:		10/280,428	
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Name:       Richard L. Byrne         Internal Address:       Webb Ziesenheim Logsdon         Orkin & Hanson, P.C.       Authorized to be charged to deposit account         Orkin & Hanson, P.C.       8. Deposit account number:         Street Address:       700 Koppers Building         436 Seventh Avenue       (Attach duplicate copy of this page if paying by deposit account)         City:       Pittsburgh         State:       PA         Zip:       15219         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.         Richard L. Byrne, Reg. No. 28,498       Signature         Name of Person Signing       Date         Total number of pages including cover sheet, attachments, and documents:       2         Deprivation of Patents & Trademarks, Box Assignments       Commissioner of Patents & Trademarks, Box Assignments			
Internal Address:       Webb Ziesenheim Logsdon         Orkin & Hanson, P.C.       Authorized to be charged to deposit account         Orkin & Hanson, P.C.       8. Deposit account number:         Street Address:       700 Koppers Building       23-0650         436 Seventh Avenue       (Attach duplicate copy of this page if paying by deposit account)         City:       Pittsburgh       State:       PA         Zip:       15219       (Attach duplicate copy of this page if paying by deposit account)         Do NOT USE THIS SPACE       9. Statement and signature.       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.       February 5, 2003         Richard L. Byrne, Reg. No. 28,498       Mutual Mature       Date         Name of Person Signing       Signature       Date         Tota number of pages including cover sheet, attachments, and documents:       2         D2/12/2003 ECOUPER       00000006 10280428       Mail documents to be recorded with required cover sheet information to:         Commissioner of Patents & Trademarks, Box Assignments       Commissioner of Patents & Trademarks, Box Assignments		Name: Richard L. Byrne	
Orkin & Hanson, P.C.       Authorized to be charged to deposit account         Orkin & Hanson, P.C.       8. Deposit account number:         Street Address:       700 Koppers Building       23-0650         436 Seventh Avenue       (Attach duplicate copy of this page if paying by deposit account)         City:       Pittsburgh       State:       PA         Zip:       15219       (Attach duplicate copy of this page if paying by 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.         Richard L. Byrne, Reg. No. 28,498       Mutuch Muture       Pebruary 5, 2003         Name of Person Signing       Signature       2         Toth number of pages including cover sheet, attachments, and documents:       2         P2/12/2003 ECOUPER       Mail documents to be recorded with required cover sheet information to:		Internal Address: Webb Ziesenheim Logsdon	
Street Address:       700 Koppers Building       23-0650         436 Seventh Avenue       (Attach duplicate copy of this page if paying by deposit account)         City:       Pittsburgh       State:       PA       Zip:       15219         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.         Richard L. Byrne, Reg. No. 28,498       Yulund May Pebruary 5, 2003         Name of Person Signing       Signature       2         Z/12/2003 ECOUPER       00000006 10280428       Mail documents to be recorded with required cover sheet information to:			Authorized to be charged to deposit account
436 Seventh Avenue       (Attach duplicate copy of this page if paying by deposit account)         City:       Pittsburgh       State:       PA       Zip:       15219         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.         Richard L. Byrne, Reg. No. 28,498       Signature       February 5, 2003         Name of Person Signing       Signature       2         Total number of pages including cover sheet, attachments, and documents:         2       2         Reference of Patents & Trademarks, Box Assignments			8. Deposit account number:
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PATENT REEL: 013739 FRAME: 0491

## ASSIGNMENT

WHEREAS, I, Raymond M.L. Ting, residing in Ross Township, Allegheny County, Commonwealth of Pennsylvania, have invented certain new and useful improvements entitled "Enhanced Curtain Wall System" for which a patent application was filed in the United States Patent and Trademark Office on November 25, 2002 and bears Serial No. 10/280,428;

AND, WHEREAS Advanced Building Systems, Inc., a corporation of the State of Delaware, having a place of business at 103 Springer Building, 3411 Silverside Road, Wilmington, Delaware, 19810, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I do hereby assign, sell, transfer, and set over unto said assignee the entire right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by me had this assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. I covenant that I am the lawful owner of the said application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that I have the full right to make this assignment.

And for the consideration aforesaid, I agree that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request, but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignee or by counsel for said assignee, to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon my heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignee.

Dated 1/22/03

COMMONWEALTH OF PENNSYLVANIA

By <u>Aguina With Ting</u> Raymond M.L. Ting : SS:

COUNTY OF Alleghene

Before me, a Notary Public in and for the said County and Commonwealth personally appeared Raymond M.L. Ting, who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

Witness my ha	and and notarial seal this $\frac{22}{32}$ day of $\frac{1}{32}$ day of $\frac{3}{32}$ .
[NOTARIAL SEAL]	Margo H MCall Notery Public
	Notarial Seal Margo H. McCall, Notary Public City Of Pittsburgh, Allegheny Co., PA My Commission Expires March 28, 2005

**RECORDED: 02/10/2003** 

PATENT REEL: 013739 FRAME: 0492