Atty. Docket No. CH9200300080US1

RECORDATION FORM COVER SHEET PATENTS ONLY

To The Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): Rolf Allenspach Johannes G. Bednorz Gerhard Ingmar Meijer Chung Hon Lam Richard Stutz Daniel Widmer Additional name(s) of conveying party(ies): X Assignment Execution Date(s): June 9, 2005, June 9, 2005, May 30, 2005, August 1, 2005, May 211, 2005 and May 10, 2005, respectively. S. Name and address of receiving party(ies): Name: International Business Mechines Corporation Address: New Orchard Road Armonk, NY 10504 Additional name(s) & addresses attached? Yes X No 3. Nature of conveying party(ies) attached? Yes X No 11/105,849 Filed April 14, 2005 Execution Date(s): June 9, 2005, June 9, 2005, May 30, 2005, August 1, 2005, May 21, 2005 and May 10, 2005, respectively. 5. Name and address of receiving Address: New Orchard Road Armonk, NY 10504 Additional name(s) & addresses attached? Yes X No 11/105,849 Filed April 14, 2005 Execution Date(s): June 9, 2005, June 9, 2005, May 30, 2005, August 1, 2005, May 31, 2005 and May 10, 2005, respectively. 6. Total number of applications involved: 1 7. Total fee (37 CFR 3.41): \$40.00 X Charge to Deposit Account No: 50-0510 DO NOT USE THIS SPACE 8. Statement and signature. Do Not Use This Space Total Number of pages including cover sheet, attachments, and document:					
Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): Rolf Allenspach Johannes G. Bednorz Gerhard Ingmar Meijer Chung Hon Lam Richard Stutz Daniel Widmer Additional name(s) of conveying party(ies) attached? Yes X No 3. Nature of conveyance: X Assignment Execution Date(s): June 9, 2005, June 9, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, respectively. 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Louis P. Herzberg Address: 3 Cloverdale Lane Monsey, New York 10592 DO NOT USE THIS SPACE 2. Name and address of receiving party(ies): Name: International Business Mechines Corporation Address: New Orchard Road Armonk, NY 10504 Additional name(s) & addresses attached? Yes X No 4. Patent Application number(s) 11/105,849 Filed April 14, 2005 Execution Date(s): June 9, 2005, June 9, 2005, May 30, 2005, August 1, 2005 and May 10, 2005, respectively. 6. Total number of applications involved: 1 7. Total fee(37 CFR 3.41): \$40.00 X Charge to Deposit Account No:: 50.0510 DO NOT USE THIS SPACE 8. 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 grignal document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Total Number of pages including cover sheet,	To The Honorable Commissions	To The Honorable Commissioner of Patents and Trademarks:			
1. Name of conveying party(ies): Rolf Allenspach Johannes G. Bednorz Gerhard Ingmar Meijer Chung Hon Lam Richard Stutz Daniel Widmer Additional name(s) of conveying party(ies) attached? X Assignment Execution Date(s): X Assignment Execution Date(s): June 9, 2005, June 9, 2005, May 11, 2005 and May 10, 2005, respectively. 5. Name and address of party to whom correspondence concerning document should be mailed: Name: International Business Mechines Corporation Address: New Orchard Road Armonk, NY 10504 Additional name(s) & addresses attached? Yes X No 4. Patent Application number(s) 11/105,849 Filed April 14, 2005 Execution Date(s): June 9, 2005, June 9, 2005, May 30, 2005, August 1, 2005 May 11, 2005 and May 10, 2005, respectively. 5. Name and address of party to whom correspondence concerning document should be mailed: Name: International Business Mechines Corporation Address: New Orchard Road Armonk, NY 10504 Additional name(s) & addresses attached? Yes X No 4. Patent Application number(s) 11/105,849 Filed April 14, 2005 Execution Date(s): June 9, 2005, May 30, 2005, August 1, 2005 May 11, 2005 and May 10, 2005, respectively. 5. Name and address of party to whom correspondence concerning document should be mailed: Name: International Business Mechines Corporation Address: New Orchard Road Armonk, NY 10504 Additional name(s) & addresses attached? Yes X No 1/105,849 Filed April 14, 2005 Execution Date(s): June 9, 2005, May 30, 2005, August 1, 2005 May 11, 2005 and May 10, 2005, respectively. 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 X Charge to Deposit Account No: 30-0510 DO NOT USE THIS SPACE 8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name: International Music Party of Pages including cover sheet,	Please record the attached original	ginal documents or copy thereof.			
Rolf Allenspach Johannes G. Bednorz Gerhard Ingmar Meijer Chung Hon Lam Richard Stutz Daniel Widmer Additional name(s) of conveying party(ies) attached?		· · · · · · · · · · · · · · · · · · ·			
Rolf Allenspach Johannes G. Bednorz Gerhard Ingmar Meijer Chung Hon Lam Richard Stutz Daniel Widmer Additional name(s) of conveying party(ies) attached? Ves X No 3. Nature of conveyance: X Assignment Execution Date(s): June 9, 2005, June 9, 2005, May 30, 2005, August 1, 20	1. Name of conveying party(ies).	2 Name and address of receiving			
Rolf Allenspach Johannes G. Bednorz Gerhard Ingmar Meijer Chung Hon Lam Richard Stutz Daniel Widmer Additional name(s) of conveying party(les) attached? Yes X No 3. Nature of conveyance: X Assignment Execution Date(s): June 9, 2005, June 9, 2005, May 11, 2005 and May 10, 2005, respectively. 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Louis P. Herzberg Address: 3 Cloverdale Lane Monsey, New York 10592 DO NOT USE THIS SPACE 8. 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 criginal document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Name: International Business Machines Corporation Address: New Orchard Road Additional name(s) & addresses attached? Yes X No 4. Patent Application number(s) 11/105,849 Filed April 14, 2005 New Orchard Road New Orchard	2. Manue of wonveying parcy (105).	z. Name and address of receiving			
Johannes G. Bednorz Gerhard Ingmar Meijer Chung Hon Lam Richard Stutz Daniel Widmer Additional name(s) of conveying party(ies) attached? Yes X No 3. Nature of conveyance: X Assignment Execution Date(s): June 9, 2005, June 9, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, respectively. 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Louis P. Herzberg Address: 3 Cloverdale Lane Monsey, New York 10592 DO NOT USE THIS SPACE Name: International Business Machines Corporation Address: International Business Machines Corporation Address: New Orchard Road Armonk, NY 10504 Additional name(s) & addresses attached? Yes X No 4. Patent Application number(s) 11/105,849 Filed April 14, 2005 Execution Date(s): June 9, 2005, June 9, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, respectively. 6. Total number of applications involved: 1 7. Total fee (37 CFR 3.41): \$40.00 X Charge to Deposit Account No.: 50-0510 DO NOT USE THIS SPACE 8. 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 cryginal document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Signature Date	Dolf 311 opens	parcy(res):			
Gerhard Ingmar Meijer Chung Hon Lam Richard Stutz Daniel Widmer Address: New Orchard Road Armonk, NY 10504 Additional name(s) & addresses attached?YesXNo Additional name(s) & addresses attached?Yes					
Chung Hon Lam Richard Stutz Daniel Widmer Additional name(s) & addresses attached?YesXNo A Patent Application number(s) 11/105,849 Filed April 14, 2005 Execution Date(s):June 9, 2005, June 9, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, respectively. 5. Name and address of party to whom correspondence concerning document should be mailed: Name:Louis P. Herzberg Address: 3 Cloverdale Lane					
Additional name(s) & addresses attached?YesXNo Additional name(s) & addresses attached?YesX_No A. Patent Application number(s) Involved: 1 Attached?YesX_No A. Patent Application number(s) Execution Date(s):June 9, 2005, June 9, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, respectively. 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Louis P. Herzberg Address: 3 Cloverdale Lane		Machines Corporation			
Additional name(s) & addresses attached?Yes _X No Additional name(s) & addresses attached?Yes _X No Additional name(s) of conveying party(ies) attached?Yes _X No 3. Nature of conveyance:					
Additional name(s) & addresses attached?YesX _ No Additional name(s) of conveying party(ies) attached?Yes _X _ No 3. Nature of conveyance:		Armonk, NY 10504			
Additional name(s) of conveying party(ies) attached? Yes X No 3. Nature of conveyance: X Assignment 11/105,849 Filed April 14, 2005 Execution Date(s): June 9, 2005, June 9, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, respectively. 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Louis P. Herzberg Address: 3 Cloverdale Lane Monsey, New York 10592 DO NOT USE THIS SPACE 8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Signature August 4, 2005 Date Total Number of pages including cover sheet,	Daniel Widmer				
Additional name(s) of conveying party(ies) attached? Yes X No 3. Nature of conveyance: X Assignment 11/105,849 Filed April 14, 2005 Execution Date(s): June 9, 2005, June 9, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, respectively. 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Louis P. Herzberg Address: 3 Cloverdale Lane Monsey, New York 10592 DO NOT USE THIS SPACE 8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Additional name(s) of conveying 4. Patent Application number(s) 11/105,849 Filed April 14, 2005 August 1, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, respectively. 6. Total number of applications involved: 1 7. Total fee (37 CFR 3.41): \$40.00 X Charge to Deposit Account No.: 30-0510 DO NOT USE THIS SPACE 8. Statement and signature. August 4, 2005 Name of Person Signing Signature Date		Additional name(s) & addresses			
Additional name(s) of conveying party(ies) attached? Yes X No 3. Nature of conveyance: X Assignment 11/105,849 Filed April 14, 2005 Execution Date(s): June 9, 2005, June 9, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, respectively. 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Louis P. Herzberg Address: 3 Cloverdale Lane Monsey, New York 10592 DO NOT USE THIS SPACE 8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Additional name(s) of conveying 4. Patent Application number(s) 11/105,849 Filed April 14, 2005 August 1, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, May 30, 2005, August 1, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, May 30, 2005, August 1, 2005, May 30, 2005,		attached? Yes X No			
3. Nature of conveyance: X Assignment Execution Date(s): June 9, 2005, June 9, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, respectively. 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Louis P. Herzberg Address: 3 Cloverdale Lane Monsey, New York 10592 DO NOT USE THIS SPACE 8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing August 4, 2005 4. Patent Application number(s) Line 9, 2005, June 9, 2005, June 9, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, respectively. 6. Total number of applications involved: 1 7. Total fee (37 CFR 3.41): \$40.00 X Charge to Deposit Account No.: 50-0510 DO NOT USE THIS SPACE 8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Total Number of pages including cover sheet,	}				
3. Nature of conveyance: X Assignment Execution Date(s): June 9, 2005, June 9, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, respectively. 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Louis P. Herzberg Address: 3 Cloverdale Lane Monsey, New York 10592 DO NOT USE THIS SPACE 8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Signature 4. Patent Application number(s) 4. Patent Application number (s) 11/105,849 Filed April 14, 2005 August 1, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, May 11, 2005 and May 10, 2005, May 30, 2005, May 10, 2005, May 11, 2005, May 11, 2005 and May 10, 2005, May 11, 2005 and May 10, 2005, May 10,					
3. Nature of conveyance: X Assignment Execution Date(s): June 9, 2005, June 9, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, respectively. 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Louis P. Herzberg Address: 3 Cloverdale Lane Monsey, New York 10592 DO NOT USE THIS SPACE 8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Signature 4. Patent Application number(s) 4. Patent Application number (s) 11/105,849 Filed April 14, 2005 August 1, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, May 11, 2005 and May 10, 2005, May 30, 2005, May 10, 2005, May 11, 2005, May 11, 2005 and May 10, 2005, May 11, 2005 and May 10, 2005, May 10,					
3. Nature of conveyance: X Assignment Execution Date(s): June 9, 2005, June 9, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, respectively. 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Louis P. Herzberg Address: 3 Cloverdale Lane Monsey, New York 10592 DO NOT USE THIS SPACE 8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Signature 4. Patent Application number(s) 11/105,849 Filed April 14, 2005 August 1, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, respectively. 6. Total number of applications involved: 1 7. Total fee (37 CFR 3.41): \$40.00 X Charge to Deposit Account No.: 50-0510 DO NOT USE THIS SPACE 8. Statement and signature. August 4, 2005 Date	Additional name(e) of conveying				
3. Nature of conveyance: X Assignment 11/105,849 Filed April 14, 2005 Execution Date(s): June 9, 2005, June 9, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, respectively. 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Louis P. Herzberg Address: 3 Cloverdale Lane Monsey, New York 10592 DO NOT USE THIS SPACE 8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Signature 4. Patent Application number(s) 11/105,849 Filed April 14, 2005 Execution Date(s): June 9, 2005, June 9, 2005, May 30, 2005, August 1, 2005, May 30, 200	party(ieg) attached? Veg V No				
X Assignment 11/105,849 Filed April 14, 2005 Execution Date(s): June 9, 2005, June 9, 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, respectively. 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Louis P. Herzberg Address: 3 Cloverdale Lane Monsey, New York 10592 DO NOT USE THIS SPACE 8. 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 criginal document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Signature 11/105,849 Filed April 14, 2005 Execution Date(s): June 9, 2005, June 9, 2005, May 30, 2005, August 1, 2005, May 30, 2005, August 2, 2005, May 30, 2005, August 1, 2005, May 30, 2005, August 2, 2005, August 2, 2005, May 30, 2005, August 2,	3 Nature of conveyance	4 D-1			
Execution Date(s): _June 9, 2005, June 9, 2005, May 30, 2005 _August 1, 2005 _May 11, 2005 and May 10, 2005, respectively. 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Louis P. Herzberg	3. Nacure of conveyance:	4. Patent Application number(s)			
2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, respectively. 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Louis P. Herzberg Address: 3 Cloverdale Lane Monsey, New York 10592 DO NOT USE THIS SPACE 8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Signature 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, respectively. 6. Total number of applications involved: 1 7. Total fee (37 CFR 3.41): \$40.00 X Charge to Deposit Account No.: 50-0510 DO NOT USE THIS SPACE 8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Total Number of pages including cover sheet,	X Assignment	11/105,849 Filed April 14, 2005			
2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, respectively. 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Louis P. Herzberg Address: 3 Cloverdale Lane Monsey, New York 10592 DO NOT USE THIS SPACE 8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Signature 2005, May 30, 2005, August 1, 2005, May 11, 2005 and May 10, 2005, respectively. 6. Total number of applications involved: 1 7. Total fee (37 CFR 3.41): \$40.00 X Charge to Deposit Account No.: 50-0510 August 4, 2005 August 4, 2005 Date Total Number of pages including cover sheet,	Execution Date(s): June 9, 2005, June 9.	Execution Date(s): June 9 2005 June 9			
11. 2005 and May 10, 2005, respectively. 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Louis P. Herzberg Address: 3 Cloverdale Lane Monsey, New York 10592 DO NOT USE THIS SPACE 8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Total Number of pages including cover sheet,					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Louis P. Herzberg Address: 3 Cloverdale Lane Monsey, New York 10592 DO NOT USE THIS SPACE 8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Signature 6. Total number of applications involved: 1 7. Total fee (37 CFR 3.41): \$40.00 X Charge to Deposit Account No.: 50-0510 Do NOT USE THIS SPACE 8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Total Number of pages including cover sheet,	11. 2005 and May 10. 2005, respectively	11 2005 and May 10 2005 respectively			
whom correspondence concerning document should be mailed: Name: Louis P. Herzberg Address: 3 Cloverdale Lane Monsey, New York 10592 DO NOT USE THIS SPACE 8. 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 criginal document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Signature Involved: 1 7. Total fee (37 CFR 3.41): \$40.00 X Charge to Deposit Account No.: 50-0510 A Charge to Deposit Account No.: 50-0510					
document should be mailed: Name: Louis P. Herzberg Address: 3 Cloverdale Lane Monsey, New York 10592 DO NOT USE THIS SPACE 8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Total Number of pages including cover sheet,					
Name: Louis P. Herzberg Address: 3 Cloverdale Lane Monsey, New York 10592 DO NOT USE THIS SPACE 8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Total Number of pages including cover sheet,		THINGTAGE: T			
Address: 3 Cloverdale Lane Monsey, New York 10592 DO NOT USE THIS SPACE 8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Total Number of pages including cover sheet,	document should be mailed:				
Address: 3 Cloverdale Lane Monsey, New York 10592 DO NOT USE THIS SPACE 8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Total Number of pages including cover sheet,	Name: Iouis B Horabors	7. Total fee (37 CFR 3.41): \$40.00			
Monsey, New York 10592 **To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of original document. **Louis P. Herzberg (Reg. No. 41,500)** Name of Person Signing** Total Number of pages including cover sheet,					
8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Total Number of pages including cover sheet,		V. Channa to Dannit Annual No.			
8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Total Number of pages including cover sheet,	Monsey, New York 10592				
8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Total Number of pages including cover sheet,		30-0510			
8. 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 original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Total Number of pages including cover sheet,					
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Total Number of pages including cover sheet,	DO NOT USE THIS SPACE				
Correct and any attached copy is a true copy of original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Total Number of pages including cover sheet,	8. Statement and signature.				
Correct and any attached copy is a true copy of original document. Louis P. Herzberg (Reg. No. 41,500) Name of Person Signing Total Number of pages including cover sheet,	Mo the heat of my law 3-3-1 11 5 11	- 6			
Name of Person Signing Total Number of pages including cover sheet,	To the best or my knowledge and belief, the foregoing information is true and				
Name of Person Signing Signature Date Total Number of pages including cover sheet,	correct and any attached copy is a true copy of original document.				
Name of Person Signing Signature Date Total Number of pages including cover sheet,	Time Manha				
Total Number of pages including cover sheet,					
	Name of Person Signing Signature // Date				
attachments, and document:					
	attachments, and document	nt:			

DO NOT DETACH THIS PORTION

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PR2-1000C, Washington, DC 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, DC 20503.

PATENT

REEL: 016611*FRAME:0712 **

→→→ YO IPD

2003

Page 1 of 2

(IBM Docket) CH920030080US1

P.03

Assignment

INVENTOR	Whereas, we	
AND CITY	(1) Rolf Allenspach	of Adliswil Switzerland
INVENTOR		o windowani
AND CITY	(2) Johannes G. Bednorz	of Wolfhausen Switzerland
INVENTOR		
AND CITY	(3) Gerhard Ingmar Meijer	of Zurich Switzerland
INVENTOR		
AND CITY	(4) Chung Hon Lam	of Peekskill New York
INVENTOR		I TOTA
AND CITY	(5) Richard Stutz	of Dottikon
INVENTOR		Switzerland
AND CITY	(6) Daniel Widmer	of Langnau Switzerland
TITLE	have invented certain improvements in NON-VOLATILE RESISTANCE SWITCHING ME	MORY
DATES THAT INVENTORS SIGNED THE DECLARATION	and executed, respectively, a United States patent applic (1) Func 8 2005, (2) Func 9 (3) Man 30, 2005, (4) (5) Man 11, 2005 and (6) Man 10	

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said applications to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by

Page 1 of 2

→→→ YO IPD

Ø 004

(IBM Docket) CH920030080US1

	Signed and sealed	
CITY AND DATE	(1) at Q & L L L ks _ 2005, \(\frac{10}{R0}\)	LOCO ADD SIGNATURE
CITY AND DATE	(2) at his schliker (2005, July 1905)	Allenspach IT NAME MIDDLE INITIAL LAST NAME August G. Bednorz
CITY AND DATE	(3) at Rupphilia on 90-5-2005 2005, Ce	TNAME MIDDLE NITIAL LAST NAME Dechad Import Meijer SKINATURE TNAME MIDDLE NITIAL LAST NAME
CITY AND DATE	(4) at on 2005,	SIGNATURE
CITY AND DATE	(5) at Rividilikou . Q	NAME MIDDLE INITIAL LAST NAME
CITY AND DATE	(6) at Rischlikon	NAME MIDDLE INITIAL LAST NAME
27.1.7.0	Dani	el Widmer NAME MIDDLE INITIAL LAST NAME

Page 2 of 2

Whereas, we

P.05

(IBM Docket) CH920030080US1

Page 1 of 2

Assignment

INVENTOR	Whereas, we		
AND CITY	(1) Rolf Allenspach	ı	of Adliswil Switzerland
INVENTOR			
AND CITY	(2) Johannes G. Ber	lnorz	of Wolfhausen Switzerland
INVENTOR			
AND CITY	(3) Ingmar Gerhard	Meijer	of Zurich Switzerland
INVENTOR			
AND CITY	(4) Chung Hon Lam	ı	of Peekskill New York
INVENTOR			
AND CITY	(5) Richard Stutz		of Dottikon Switzerland
INVENTOR			Switzerland
AND CITY	(6) Daniel Widmer		of Langnau Switzerland
TITLE	have invented certain NON-VOLATILE	n improvements in RESISTANCE SWITCHI	NG MEMORY
	and executed, respec	tively, a United States pater	at application therefor an
DATES THAT	(1)	2005, (2)	2005.
INVENTORS	(3)	2005, (4)	2005,
SIGNED THE DECLARATION	(5)	2005 and (6)	

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said applications to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

	Signed and sealed				
CITY AND DATE	(1) at on	2005,			SIGNATURE
			Rolf FIRST NAME	MIDDLE INITIAL	Allenspach LAST NAME
CITY AND	(2) at				
DATE	on	2005,			SIGNATURE
			Johannes FIRST NAME	G. MIDDLE INITIAL	Bednorz LAST NAME
CITY AND	(3) at				
DATE	on	2005,			SIGNATURE
			Ingmar FIRST NAME	Gerhard MIDDLE INITIAL	Meijer LAST NAME
CITY AND	(4) at Yorktown	Heights	5 - 0	١.	_
DATE	(4) at Yorktown on Aug. 15t	2005,	Chung FIRST NAME	Hon MIDDLE INITIAL	Lam LAST NAME
CITY AND	(5) at				
DATE	on	2005,	Richard FIRST NAME	MIDDLE INITIAL	SIGNATURE Stutz LAST NAME
CITY AND	(6) at				
DATE	on	2005,			SIGNATURE
			Daniel FIRST NAME	MIDDLE INITIAL	Widmer LAST NAME

Page 2 of 2

AUG 04 '05 16:01 FR IBM

Approved for use through 11/30/2005. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent And Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent AND TRADEMARK OFFICE OF COMERCE

U.S. Patent AND TRADEMARK OFFICE OF COMMERCE

U.S. Patent A **CHANGE OF** Application Number 11/105,849 CORRESPONDENCE ADDRESS Filing Date 4/14/05 Application First Named Inventor Allenspach et al. Address to: Art Unit Commissioner for Patents 2812 P.O. Box 1450 Alexandria, VA 22313-1450. Examiner Name Not yet assigned Attorney Docket Number CH920030080US1 Please change the Correspondence Address for the above-identified patent application to: XXX Customer Number: 54856 Firm or Individual Name Address Address City State Zip Country Telephone Fax This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124). I am the: _ Applicant/Inventor Assignee of record of the entire interest. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96). X Attorney or Agent of record. Registration Number 41.500 Registered practitioner named in the application transmittal letter in an application without an executed cath or declaration. See 37 CFR 1.33(a)(1). Registration Number_____ Typed or Printed Name Louis P. Herzberg Signature Date August 4, 2005 Telephone 845-352-3194 NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below. forms are submitted.

This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Pattent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Allenspach et al. Docket No.: CH920030080US1

Serial No.: 11/105,849 Group Art Unit: 2812 Filed: April 14, 2005 Confirmation No.: 3429

For: NON-VOLATILE RESISTANCE SWITCHING MEMORY

Mail Stop Assignment Recordation Services Director of the US Patent and Trademark Office

571-273-0140

CERTIFICATION OF FACSIMILE TRANSMISSION **PURSUANT TO 37 CFR 1.8**

I hereby certify that this Certification of Facsimile Transmission (1 page), Recordation Form Cover Sheet (1 page), Assignment (4 pages) and Correspondence Address are being facsimile transmitted under 37 CFR Rule 1.6(d) to the U.S. Patent and Trademark Office ((571-273-0140)) on August 4, 2005. The Assignment and Recordation Form are attached.

Please charge the \$40.00 recordation fee to our deposit account 50-0510.

PLEASE FAX CONFIRMATION TO 914-945-3281.

Allison Berkman

Telephone: 914-945-3862 Dedicated fax: 914-945-3281

IBM Corporation Intellectual Property Law Dept. P.O. Box 218

RECORDED: 08/04/2005

Yorktown Heights, New York 10598