Substitute Form PTO-1595 Attorney Docket No.: 23758-0012001

PATENTS ONLY

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Additional name(s) attached? ☐ Yes ☑ No		
3. Nature of conveyance:	Kisshoin, Minami-ku	
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☐ Change of Name ☐ Other:		
Execution Date: 08/11/2009		
	Additional names/addresses attached? ☐ Yes 图 No	
4. Application number(s) or patent number(s):		
If this document is being filed with a new application, the execution	1	
A. Patent Application No(s).:	B: Patent No(s).:	
11/238,030 (also listed on Schedule A) Please see Schedule A for additional Patent	Please see Schedule A for additional Patent	
Applications.	Nos.	
Additional numbers at	itached? 国Yes □ No	
5. Name/address of party to whom correspondence concerning		
document should be malled:	6. Total number of applications/patents involved: 1	
CHRISTINA V. MCDONOUGH Fish & Richardson P.C.	7. Total fee (37 CFR §3.41): \$1320	
225 Franklin Street	☐ Enclosed	
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Christina V. McDonough	1 1 1 A	
Reg. No. 64,612	V. 119ml Aug 11, 2009	
Name of Person SignIng Signature	Date (
Total number of pages including coversheet, attachments and document: 7		

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CERTIFICATE OF TRANSMISSION BY FACSIMILE

I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

August 11, 2009
Date of Transmission

Signature

Darlene J. Morin

REEL: 023079 FRAME: 0739

SCHEDULE A

Patents

				SE COLUMN
United	6,677,690		W. Fosnight, D. Babbs, R.	SYSTEM FOR
States		18, 2004	Gould, M. Krolak, D. Feindel	SAFEGUARDING
			and T. Luong	INTEGRATED INTRABAY
			I -	POD DELIVERY AND
¥7 4. 7	· _			STORAGE SYSTEM
United	6,848,876		D. Babbs, W. Fosnight, T.	WORKPIECE SORTER
States		1, 2005	Cosentino, M. Sammut, P.	OPERATING WITH
			Pinna and R. Zemen	MODULAR BARE
				WORKPIECE STOCKERS
ł	[ł	AND/OR CLOSED
77 4. 5	· 		<u> </u>	CONTAINER STOCKERS
United	6,223,886	May 1,	Bonora, R. Gould	INTEGRATED ROLLER
States		2001		TRANSPORT FOD AND
			}	ASYNCHRONOUS
	 		<u> </u>	CONVEYOR
United	6,240,385	May 29,	B. Webrung, C. Holden	DISTRIBUTED CONTROL
States		2001		SYSTEM ARCHITECTURE
1	1	[AND METHOD FOR A
TT 4A . 1	0.000	<u> </u>		MATERIAL TRANSPORT
United	6,308,818	October	Bonora, R. Gould	TRANSPORT SYSTEM WITH
States	1	80, 2001		INTEGRATED TRANSPORT
United	0.407.05-	 	<u> </u>	CARRIERS AND DIRECTOR
States	6,435,930	August	Bonora, R Gould	IN/OUT LOAD PORT
United	0.405.885	20, 2002		TRANSFER MECHANISM
	6,481,558	November	Bonora, R. Could, J. Kerr	INTEGRATED LOAD PORT-
States		19, 2002		CONVEYOR TRANSFER
TT 14 A		<u>.</u>		SYSTEM
United	6,494,308	December	Bonora, R. Gould	INTEGRATED ROLLER
States	1	18, 2002		TRANSPORT AND
				ASYNCHRONOUS
United	C 500 404			CONVEYOR
States	6,538,101	March 18,	Bonora, R. Gould	INTEGRATED TRANSPORT
DINING		2008		CARRIER AND CONVEYOR
United	7 410 0 10	_	· · · · · · · · · · · · · · · · · · ·	SYSTEM
States	7,410,840	Auguet	Anthony C. Bonora, Michael	DIRECT TOOL LOADING
United United	7 445 AT T	12, 2008	Krolak, and Roger G. Hins	-
	7,445,415	November	Anthony C. Bonora, Michael	DIRECT TOOL LOADING
States		4, 2008	Krolak, and Roger G. Hine	
United	7,472,788	January	Bonora, R. Hine, M. Krolak	BELT CONVEYOR FOR USE
States		6, 2009		WITH SEMICONDUCTOR
TT 1. 9				CONTAINERS
United	5,570,990	November	A. Bonora, B. Richardson, M.	HUMAN GUIDED MICRO
Statos	1	5, 1996	Brain, E. Cortez and B.	STOCKER AND
			Huang	PLACEMENT SYSTEM

3 of 5

PATENT REEL: 023079 FRAME: 0740

			The Report Desired	
United States	6,858,876	February 8, 2005	B. Wehrung and C. Holden	DISTRIBUTED CONTROL SYSTEM ARCHITECTURE
				AND METHOD FOR A MATERIAL TRANSPORT

Patent Applications

			**	
	a suitaise His	a daylog (ras) Top	Control Control Control	
United	11/862,189	9/26/2007	M. Mayo	SERIES IMPEDANCE
States			1	MATCHED INDUCTIVE
United	11/200 51	110000		POWER PICK UP
States	11/608,714	11/22/2006	A. Bonora	VARIABLE PITCH STORAGE
United	11/482,650	7/7/2006	A D 26 'vs 1.1 D	SHELVES
States	11/102,000	17772000	A. Bonora, M. Krolak, R. Hine	STOCKER
United	11/433,980	5/15/2006	A. Bonora, M. Krolak, R.	MODULAR TERMINAL FOR
States			Hine	HIGH THROUGHPUT AMHS
United	12/205,606	9/5/2008	M. Ando	TRANSPORT SYSTEM WITH
States	<u> </u>			BUFFERING
United	12/420,780	4/8/2009	Joseph Fatula III	METHOD AND SYSTEM FOR
States		ľ		SIMULTANEOUS BI-
				DIRECTIONAL CONVEYOR
	i .			CONTROL FOR MOVING
	1 .			MATERIAL HOLDERS IN A
United	11/588,962	10/27/2006	T. Rogers, N. Riley	FAB
States	11,000,000	10/21/2000	т. ковети, м. киеу	HORIZONTAL ARRAY
United	11/238,030	9/28/2005	A. Bonora, T. Rogers	STOCKER DISCONTINUOUS
States			1. 10,0018	CONVEYOR SYSTEM
United	11/178,072	7/8/2005	A. Bonora, M. Krolak, R.	INTERFACE BETWEEN
States			Hine	CONVEYOR AND
	1			SEMICONDUCTOR PROCESS
United			<u> </u>	TOOL LOAD PORT
Onited States	12/456,645	6/20/2008	A Bonora, J. Fatula, R.	DIRECT LOADING TO AND
12 CALLERS	1		Deyanov, I. Hiroshi, R. Hine	FROM A CONVEYOR
United	12/246,379	10/6/2008	A D 3F TE 1 3 TO	SYSTEM
States	12/240,013	10/6/2008	A. Bonora, M. Krolak, R.	DIRECT TOOL LOADING
United	12/167,169	7/2/2008	Hine A. Bonora, M. Krolak, R.	D'IDECEMBRANT A CANADA
States	24401,105	172/2000	A. Bonora, M. Arolak, R. Hine	DIRECT TOOL LOADING
United	12/420,529	4/8/2009	R. Deyanov, M. Pherand, M.	DIDECTION
States	,	1,0,200	Krolak, T. Rogers	DIRECT DRIVE MODULAR BELT CONVEYOR
	ĺ			CARTRIDGE, AND QUICK
				CONNECT-DISCONNECT
	1	ļ		CONSTANT VELOCITY
			ĺ	DRIVE SHAFT, FOR HIGH
·				SPEED FOUP TRANSPORT

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12/420 059	4/7/2000	D.D. 34.73	
12/420,000	4/1/2009	R. Deyanov, M. Pharand, J.	SEGMENTED MATERIAL
		Fatula	CONVEYOR SYSTEM,
		}	THRESHOLD ASSEMBLY
		1	AND METHOD FOR MAKING
19/991 905	10/0/0000	4 7	AND USING THE SAME
12/001,086	12/5/2008	A. Bonora, R. Hine, M.	BELT CONVEYOR
1 .		Krolak	TRANSPORTING
		1	CONTAINERS USED IN
			SEMICONDUCTOR
10/000 004	0.000.000	· · · · · · · · · · · · · · · · · · ·	FABRICATION
12/390,896	2/20/2009	K. Shieh, M. Cookson, N.	VAO PRODUCTIVITY SUITE
11/059 000	10/0/500=	Riley, D. Wright, J. Fatula	
11/900,020	12/8/2007	Tony Bonora	ENVIRONMENTAL
l j	ı		ISOLATION SYSTEM FOR
10/170 00 4	E in a long of		FLAT PANEL DISPLAYS
12/172,084	7/11/2008	Tony Bonora, Richard Gould,	METHOD AND APPARATUS
1		Mike Krolak	FOR PROVIDING FLAT
1			PANEL DISPLAY
1			ENVIRONMENTAL
11/788 890	e/01/000a		ISOLATION
11//00,020	0/21/2000	Tony Honora	METHOD AND APPARATUS
1			FOR TRANSPORTING,
			QUEUING, AND LOADING
ì			OF LARGE AREA
	İ	ĺ	SUBSTRATES IN MULTI-
	i		TOOL PROCESSING
Attorney	7/91/2009	I Francis B V	OPERATIONS
	1101/2008	J. Patula, R. Doyanov, K.	BUFFERED STORAGE AND
		Corlor I Corre	TRANSPORT DEVICE FOR
ASTGP	ì	Carracti, c. Greene	IMPROVED TOOL
188+			UTILIZATION
		12/331,395 12/9/2008 12/390,395 2/20/2009 11/953,020 12/8/2007 12/172,084 7/11/2008 Attorney Docket No. ASTGP	12/331,395 12/9/2008 A. Bonora, R. Hine, M. Krolak 12/390,395 2/20/2009 K. Shieh, M. Cookson, N. Riley, D. Wright, J. Fatula 11/953,020 12/8/2007 Tony Bonora 12/172,084 7/11/2008 Tony Bonora, Richard Gould, Mike Krolak 11/766,620 6/21/2006 Tony Bonora Attorney Docket No. ASTGP J. Fatula, R. Doyanov, K. Tzou, P. Gonzalez, R. Carlson, J. Greene

PATENT ASSIGNMENT

WHEREAS, ASYST TECHNOLOGIES, INC, a California corporation having a place of business at 46897 Bayside Parkway, Fremont, California ("ASSIGNOR"), is the owner of the entire right, title and interest in and to certain United States patents and patent applications as well as certain foreign patents and patent applications corresponding thereto, said patents and patent applications being identified in the attached Schedule A and being hereinafter referred to as "PATENTS AND PATENT APPLICATIONS";

WHEREAS, MURATEC AUTOMATION CO., LTD., a Japanese corporation having a place of business at 3, Minami-Ochiai-cho, Kisshoin, Minami-ku, Kyoto, 601-8326, Japan ("ASSIGNEE"), is desirous of obtaining the entire right, title and interest in and to the PATENTS AND PATENT APPLICATIONS;

WHEREAS, ASSIGNOR and ASSIGNEE have entered into a certain Asset Purchase Agreement dated July 13, 2009, pursuant to which ASSIGNEE has agreed to purchase from ASSIGNOR, and ASSIGNOR has agreed to sell to ASSIGNEE its entire right, title, and interest in the PATENTS AND PATENT APPLICATIONS;

NOW, THEREFORE, for good and valuable considerations paid by ASSIGNEE to ASSIGNOR, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

- 1. ASSIGNOR hereby grants, conveys, sells, assigns, and transfers to ASSIGNEE and its successors and assigns all of such ASSIGNOR's entire right, title, and interest throughout the world in and to the PATENTS AND PATENT APPLICATIONS, and all inventions and improvements described or claimed therein, and in any and all reissues, extensions, renewals, reexaminations, divisions, or continuations of such PATENTS AND PATENT APPLICATIONS, to the full end of the term or terms of the PATENTS AND PATENT APPLICATIONS or for which such reissues, extensions, renewals, reexaminations, divisions, or continuations issue, as well as all of the following:
 - a. All income, royalties, license fees, damages, and payments now and hereafter due and/or payable under and with respect to the Patents including (without limitation) damages and payments for past, present or future infringements or misappropriations of the PATENTS AND PATENT APPLICATIONS;

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-NO. 9884-

- The right to sue and recover for past, present, and future infringements or misappropriations of the PATENTS AND PATENT APPLICATIONS;
- c. All rights in and to the PATENTS AND PATENT APPLICATIONS throughout the world, including without limitation the right to grant licenses and the right to claim priority based on the filing date of the PATENTS AND PATENT APPLICATIONS under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treatles of like purposes.
- 2. The right, title, and interest hereby granted, conveyed, sold, assigned, and transferred to ASSIGNEE shall be prior to any right, title, and interest granted to any third party, and ASSIGNOR shall take all action necessary to preserve the validity and priority of such right, title, and interest.
- 3. ASSIGNOR agrees for itself and its successors, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the ASSIGNEE may reasonably request to effectuate fully this assignment.

IN TESTIMONY WHEREOF, ASSIGNOR has caused this Assignment to be executed by its duly authorized officer.

TW1. 5

Date Augus

ASSIGNEE hereby acknowledges receipt of the entire right, title and interest in and to the PATENTS AND PATENT APPLICATIONS.

(ASSIGNEE)

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RECORDED: 08/11/2009

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