

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
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<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
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<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RVSI Inspection, LLC	01/22/2008

<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Rudolph Technologies, Inc.
<b>Street Address:</b>	One Rudolph Road
<b>City:</b>	Flanders
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	07836

**PROPERTY NUMBERS Total: 49**

Property Type	Number
Patent Number:	4652749
Patent Number:	4682894
Patent Number:	4689480
Patent Number:	4822163
Patent Number:	4830443
Patent Number:	4854698
Patent Number:	4925308
Patent Number:	4967370
Patent Number:	4991772
Patent Number:	4991968
Patent Number:	4999785
Patent Number:	5018803
Patent Number:	5028799
Patent Number:	5118192
Patent Number:	5216259

**CH \$1960.00 4652749**

Patent Number:	5263567
Patent Number:	5349378
Patent Number:	5371375
Patent Number:	5463227
Patent Number:	5465152
Patent Number:	5554858
Patent Number:	5576948
Patent Number:	5600150
Patent Number:	5648853
Patent Number:	5668630
Patent Number:	5691544
Patent Number:	5691810
Patent Number:	5723869
Patent Number:	5790242
Patent Number:	5793051
Patent Number:	5818061
Patent Number:	5859924
Patent Number:	6031225
Patent Number:	6075883
Patent Number:	6181472
Patent Number:	6291816
Patent Number:	6293408
Patent Number:	6335757
Patent Number:	6407810
Patent Number:	6525827
Patent Number:	6603874
Patent Number:	6885400
Patent Number:	7012631
Patent Number:	RE38880
Application Number:	11936671
Application Number:	11899237
Application Number:	11274677
Application Number:	10387940
PCT Number:	US0723536

CORRESPONDENCE DATA

Fax Number: (612)573-2005  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
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Correspondent Name: Timothy A. Czaja  
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Address Line 2: 100 SOUTH FIFTH STREET, SUITE 2250  
Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	A126.001.000
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NAME OF SUBMITTER:	Timothy A. Czaja
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Total Attachments: 6  
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United States

**PATENT ASSIGNMENT**

WHEREAS, RVSI Inspection LLC, a Delaware limited liability company ("RVSI"), having an address at 425 Rabro Drive East, Hauppauge, New York 11788, has entered into an asset purchase agreement (hereby incorporated herein by reference in its entirety and referred to as the "Agreement") with Rudolph Technologies, Inc., a Delaware corporation, ("Rudolph"), having an address at One Rudolph Road, Flanders, New Jersey 07836, as of the Closing Date under the Agreement (capitalized terms used but not otherwise defined herein shall have the meanings ascribed to such terms under the Agreement); and,

WHEREAS, the effect of the Agreement was to sell, transfer, convey, assign and deliver certain Assets of RVSI to Rudolph, wherein such Assets include certain Intellectual Property Rights (as defined in Sections 1.01 and 2.12 of the Agreement); and,

NOW THEREFORE, this Patent Assignment is a confirmation of the transfer of all right, title and interest in and to those certain patents and patent applications listed in Appendix A hereto (the "Patents") and all associated rights appurtenant thereto in whatever jurisdiction in which the Patents are now or are subsequently filed, including, but not limited to the right to enforce any or all claims of those Patents previously in force, now in force or to be issued.

AND, furthermore, to all whom it may concern, be it known that for and in consideration of good and valuable consideration set forth in the Agreement, the receipt and sufficiency whereof is hereby acknowledged, it is hereby confirmed and reaffirmed that RVSI has sold, transferred, conveyed, assigned and delivered, and by these presents is selling, assigning, transferring and setting over unto Rudolph and its successors or assigns the entire right, title and interest, including any and all damages for past, present, and future infringement, for all countries in and to all inventions and improvements disclosed in the aforesaid Patents, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such Patents, and in and to any and all applications which have been or shall be filed in any

countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of countries which may be granted therefrom; and RVSI hereby authorizes and requests the Patent Office of any country in which such Letters Patent for the aforesaid inventions and improvements should issue, to issue any and all such Letters Patent to Rudolph as the assignee of the entire right, title and interest in and to the same, for the use of Rudolph and its successors and assigns.

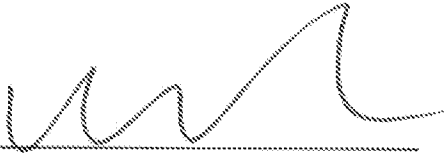
AND for the same consideration, RVSI hereby covenants and agrees to and with Rudolph, its successors, legal representatives and assigns, that RVSI will, whenever counsel of Rudolph, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with inventions disclosed in the aforesaid Patents, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to Rudolph, its successors, legal representatives and assigns.

AND, furthermore, RVSI represents, warrants, covenants and agrees with Rudolph and its successors and assigns that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by it and that full right to convey the same as herein expressed is possessed by it.

AND, furthermore, all of the representations and warranties of RVSI under the Agreement relating to or covering the Patents in favor of Rudolph are incorporated by reference herein.

IN TESTIMONY WHEREOF and on behalf of RVSI Inspection LLC, the undersigned has hereunto set its hand this 22<sup>nd</sup> day of January, 2008.

RVSI Inspection LLC

By: 

Name: CHARLES EVANS

Title: MANAGING MEMBER

SIGNED for and on behalf of Rudolph Technologies, Inc. confirming acceptance of the assignment.

RUDOLPH TECHNOLOGIES, INC

By: 

Paul F. McLaughlin  
Chief Executive Officer

STATE OF NEW YORK )  
 ) ss.  
COUNTY OF Suffolk )

On this 22<sup>nd</sup> day of January, 2008, before me personally appeared CHANNING SMITH, to me known or proven to me to my satisfaction to be the person described in and who executed the foregoing Patent Assignment, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth, and further, certified to me that RVSI Inspection LLC is a limited liability company organized under the laws of a Delaware, and that he is a lawful representative of said limited liability company and is authorized to execute said Patent Assignment on behalf of said limited liability company.

[SEAL]

Tracy J. Krugaluk

TRACY J. KRUGALUK, Notary Public

TRACY J. KRUGALUK  
Notary Public, State of New York  
No. 4914094  
Qualified in Nassau County  
Commission Expires December 7, 2009

Appendix A

List of Patents and Patent Applications

Pub. No.	Application Number	Title
US4652749	US1985000714484	Optical Coordinate Measuring System With Dual Path Reflecting Means
US4682894	US1985000714253	Calibration Of Three-Dimensional Space
US4689480	US1985000727366	Arrangement For Improved Scanned 3-D Measurement
US4822163	US1986000879203	Tracking Vision Sensor
US4830443	US1985000697796	Three-Dimensional Volumetric Sensor
US4854698	US1987000105592	3-D Measurement Via Multiple Gating
US4925308	US1988000230443	Calibration Of Three-Dimensional Space
US4967370	US1988000260862	Robot And Sensor Error Determination System
US4991772	US1990000538689	Multiple Air-Stream Sealant Control
US4991968	US1988000221641	Three Dimensional Object Surface Determination With Automatic Sensor Control
US4999785	US1989000296481	Method And Apparatus For Evaluating Defects Of An Object
US5018803	US1988000274860	Three-Dimensional Volumetric Sensor
US5028799	US1989000445121	Method And Apparatus For Three Dimensional Object Surface Determination Using Co-Planar Data From Multiple Sensors
US5118192	US1990000551150	System For 3-D Inspection Of Objects
US5216259	US1991000698133	Apparatus And Method For Improved Determination Of The Spatial Location Of Object Surface Points
US5263567	US1992000981835	Horizontal Vibrator Method For Orienting Articles
US5349378	US1992000993393	Context Independent Fusion Of Range And Intensity Imagery
US5371375	US1992000921317	Method For Obtaining Three-Dimensional Data From Multiple Parts Or Devices In A Multi-Pocketed Tray
US5463227	US1992000903524	Method For Obtaining Three-Dimensional Data From Multiple Parts Or Devices In A Multi-Pocketed Tray
US5465152	US1994000253989	Method For Coplanarity Inspection Of Package Or Substrate Warpage For Ball Grid Arrays, Column Arrays, And Similar Structures
US5554858	US1994000310841	Segmented Position Sensing Detector For Reducing Non-Uniformly Distributed Stray Light From A Spot Image
US5576948	US1994000319415	Machine Vision For Adaptive Laser Beam Steering
US5600150	US1995000476212	Method For Obtaining Three-Dimensional Data From Semiconductor Devices In A Row/Column Array And Control Of Manufacturing Of Same With Data To Eliminate Manufacturing Errors
US5648853	US1995000444258	System For Inspecting Pin Grid Arrays
US5668630	US1996000671065	Dual-Bed Scanner With Reduced Transport Time
US5691544	US1995000709189	Apparatus For Obtaining Three-Dimensional Data From Multiple Parts Or Devices In A Multi-Pocketed Tray
US5691810	US1995000435821	Dual-Bed Scanner With Reduced Transport Time
US5723869	US1996000707637	Multichannel Position Sensing Detector
US5790242	US1995000509534	Chromatic Optical Ranging Sensor
US5793051	US1996000700581	Method For Obtaining Three-Dimensional Data From Semiconductor Devices In A Row/Column Array And Control Of Manufacturing Of Same With Data To Eliminate Manufacturing Errors



US5818061	US1995000533170	Apparatus And Method For Obtaining Three-Dimensional Data From Objects In A Contiguous Array
US5859924	US1996000680342	Method And System For Measuring Object Features
US6031225	US1998000019479	System And Method For Selective Scanning Of An Object Or Pattern Including Scan Correction
US6075883	US1996000748040	Method And System For Imaging An Object Or Pattern
US6181472	US1998000095367	Method And System For Imaging An Object With A Plurality Of Optical Beams
US6291816	US1999000327817	System And Method For Measuring Object Features With Coordinated Two And Three Dimensional Imaging
US6293408	US1999000142338	Inspection Handler Apparatus And Method
US6335757	US1997000922026	CCD Imaging Device For High Speed Profiling
US6407810	US2000000522540	Imaging System
US6525827	US2001000760615	Method And System For Imaging An Object With A Plurality Of Optical Beams
US6603874	US2000000518559	Method And System For Imaging An Object Or Pattern
US6885400	US2000000522819	CCD Imaging Device And Method For High Speed Profiling
US7012631	US2002000244608	Absolute Position Determination For A CCD-Based Acquisition Unit
USRE038880	US1998000122372	Inspection Handler Apparatus And Method
	US11/936671	Method And System For Providing A High Definition Triangulation System
	US11/899237	Improved Compact Ring Light
	US11/274677 (US20060132801)	[3D] Laser Triangulation Method For The Measurement Of Highly Reflective Solder Balls
	US10/387940 (US20030215127)	[3D] Method And System For Imaging An Object Or Pattern
	PCTUS07/023536	Method and System For Providing A High Definition Triangulation System