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Conveyance Type

Assignment

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Change of Name

☒ Other: Change of
Assignment

Conveying Party(ies)

Execution Date - Month/Day/Year

1. Great Lakes Intellectual Property, Ltd.

1. August 4, 1999

Receiving Party(ies)

1. Name: **Diffraeto Ltd.**Address: **2835 Kew Drive,
Windsor, Ontario N8T 3B7
CANADA**

Correspondent Name and Address

Tel No. 703-739-4900

Name: Kevin R. Klein

Docket No.: P0

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Pages: Enter the total number of pages of the attached conveyance document including any attachments # 6

Application Number(s) or Patent Number(s)

(DO NOT ENTER BOTH numbers for the same property)

Patent Application Number(s)

Patent Number(s)

See attached
scheduleThis document is being filed together with a new patent application.

Month

Day

Year

The date the patent application was signed by the first named inventor is:

Patent Cooperation Treaty (PCT)

Enter Number only if a US Appl. No. has not been assigned

Number of Properties

Enter the total number of properties involved 53

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41)

\$2,120

Payment is **Enclosed** (Any insufficiency in fee is authorized to be charged to Deposit Account No. 12-0555)

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. Charges to deposit are authorized, as indicated herein.

Name: Kevin R. Klein

266.00
38000

Date: August 4, 1999

08/05/1999 DWJYEN 00000227 4394683

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SCHEDULE C Patents

USA PAT # (expired patents not shown)

- 4,394,683 New Photodetector Array Based Optical Measurement Systems.
- 4,403,860 Apparatus for Determining Dimensions.
- 4,407,379 High Accuracy Filling Machines.
- 4,409,718 Electro-Optical and Robotic Casting Quality Assurance.
- 4,420,253 Method and Apparatus for Detecting Wear or Breakage of Tools and Other Objects.
- 4,441,817 Electro-Optical Sensors with Fiber Optic Bundles.
- 4,453,082 Coordinate Measuring Method and Device.
- 4,453,085 Electro-Optical Systems for Control of Robots, Manipulator Arms and Co-Ordinate Measuring Machines.
- 4,460,826 Fiber Optic Based Robot Controls.
- 4,465,374 Method and Apparatus for Determining Dimensional Information concerning an Object.
- 4,482,960 Robot Tractors.
- 4,515,479 Electro-Optical Sensors with Fiber Optic Bundles.
- 4,547,674 Optical Triangulation Gear Inspection.
- 4,559,684 Controlled Machining of Combustion Chambers, Gears and Other Surfaces.
- 4,561,776 Electro-Optical Sensors for Tool and Robotic Inspection.
- 4,570,065 Robotic Compensation Systems
- 4,574,199 Sensing Location of an Object.
- 4,576,482 Electro-Optical Inspection.
- 4,583,000 Coordinate Measuring Method and Device with a Contact Member and Light Detector.
- 4,585,947 Photodetector Array Based Optical Measurement Systems.
- 4,585,350 Pulsed Robotic Inspection.
- 4,602,163 Electro-Optical Systems for Control of Robots, Manipulator Arms and Co-Ordinate Measuring Machines.
- 4,620,353 Electro-Optical and Robotic Casting Quality Assurance.
- 4,621,664 Filling Machines.
- 4,654,949 Method for Automatically Handling, Assembling and Working on Objects.
- 4,667,231 Electro-Optical Part Inspection in the Presence of Contamination and Surface Finish Variation.
- 4,674,869 Method and Apparatus for Electro-Optically Determining Dimension, Location and Attitude of Objects.
- 4,692,884 Remote Operation of Optical System.
- 4,694,184 Coordinate Measuring Method and Device Using a Contact Member.
- 4,761,072 Electro-Optical Sensors for Manual Control.
- 4,769,700 Robot Tractors.
- 4,774,751 Electro-Optical and Robotic Casting Quality Assurance.
- 4,788,440 Electro-Optical Systems for Control of Robots, Manipulator Arms and Co-Ordinate Measuring Machines.
- 4,792,698 Sensing Location of an Object with Line Image Projection and Rotation.
- 4,838,696 Pulsed Robotic Inspection.
- 4,839,526 Coordinate Measuring Method and Device.
- 4,862,397 Remote Operation of Optical System.
- 5,012,574 Controlled Machining of Combustion Chambers, Gears and Other Surfaces.
- 5,677,541 Method and apparatus for electro-optically determining the dimension, location and attitude of objects
- 5,693,953 Method and apparatus for electro optically determining the dimension, location and attitude of objects
- 5,773,840 Method & apparatus for electro optically determining the dimension, location and attitude of objects

5,786,602 Method and apparatus for electro-optically determining the dimension, location and attitude of objects
5,811,825 Method and apparatus for electro-optically determining the dimension, location and attitude of objects
5,866,915 Method and apparatus for electro optically determining the dimension, location and attitude of objects
5,866,916 Method and apparatus for electro optically determining the dimension, location and attitude of objects
5,877,491 Method and apparatus for imaging an object illuminated with light
5,880,459 Method and apparatus for control of a detector array based imaging
5,883,390 Method and apparatus for positioning a member in a desired attitude relative to the surface of an object

SCHEDULE D Pending applications

US SN 08/465,650 Method and apparatus for electro optically determining the dimension, location and attitude of objects

US SN 08/162, 248 Method and apparatus for electro optically determining the dimension, location and attitude of objects

US SN 08/462,382 Method and apparatus for electro optically determining the dimension, location and attitude of objects

US SN 08/161,304 Controlled Machining of Combustion Chambers, Gears and Other Surfaces.

US SN 08/460,694 Controlled Machining of Combustion Chambers, Gears and Other Surfaces.

CONFIRMATION OF ASSIGNMENT

WHEREAS, Great Lakes Intellectual Property, Ltd., a corporation of Ontario, CANADA, having a place of business at 6360 Hawthorne Drive, Windsor, Ontario N8T 1J9 CANADA (hereinafter referred to as "GLIP") was the owner of the full right, title and interest in and to the United States Patent Applications identified in Schedule D attached hereto and in and to the inventions disclosed therein, and in and to the Letters Patent of the United States identified in Schedule C attached hereto and in and to the inventions disclosed therein, said applications, Letters Patent, and inventions disclosed therein being referred to collectively herein as "THE INVENTIONS";

WHEREAS, Diffracto Ltd., having a place of business at 2835 Kew Drive, Windsor, Ontario N8T 3B7 CANADA (hereinafter referred to as "DIFFRACTO") desired to acquire the entire right, title and interest in and to THE INVENTIONS, and in and to any and all Letters Patent of the United States of America or any other country which may issue thereon, and in and to any reissues, divisions, continuations, reexaminations, renewals, or extensions thereof in the United States or in any other country;

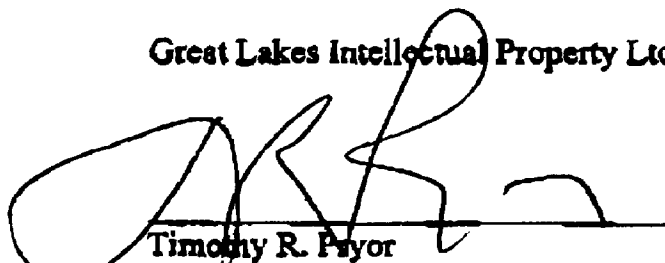
NOW THEREFORE, be it know that for and in consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration in hand paid by DIFFRACTO, the receipt of which is hereby acknowledged, GLIP confirms that it has bargained, sold, assigned, transferred and set over, and by these presents does hereby

bargain, sell, assign, transfer and set over unto DIFFRACTO, its successors and assigns, the entire right, title and interest in and to THE INVENTIONS and in and to any Letters Patent of the United States of America or any other country which may be granted for any thereof, and in and to any reissues, divisions, continuations, reexaminations, renewals, or extensions thereof in the United States or in any other country, the same to be held and enjoyed by DIFFRACTO for its own use and behoof and for the use and behoof of its successors, assigns or other legal representatives to the full end of the term or terms for which any said Letters Patent may be granted, reissued, divided, continued, reexamined, renewed or extended, as fully and entirely as the same would have been held and enjoyed by GLIP if this sale and assignment had not been made.

GLIP hereby authorizes and requests the appropriate governmental official to issue any and all such Letters Patents to DIFFRACTO as the assignee of the entire right, title and interest therein and thereto.

IN WITNESS WHEREOF, GLIP, by its duly authorized Officer, has executed this assignment this 4th day of August, 1999.

Great Lakes Intellectual Property Ltd.


Timothy R. Pryor
President