

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Westwind Air Bearings Limited	12/11/2006
RECEIVING PARTY DATA	
Name:	GSI Group Limited
Street Address:	Cosford Lane
Internal Address:	Swift Valley
City:	Rugby, Warwickshire
State/Country:	UNITED KINGDOM
Postal Code:	CV21 1QN
PROPERTY NUMBERS Total: 2	
Property Type	Number
Patent Number:	5147165
Patent Number:	5593230
CORRESPONDENCE DATA	
Fax Number:	(301)589-8885
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	301-589-8900
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Correspondent Name:	Charles W. Fallow
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Address Line 4:	Silver Spring, MARYLAND 20910
ATTORNEY DOCKET NUMBER:	0207 & 1236
NAME OF SUBMITTER:	Charles W. Fallow
<p>Total Attachments: 9</p> <p>source=assignment#page1.tif</p>	

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**PATENT**  
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BETWEEN:

1. **Westwind Air Bearings Limited**, a company registered in the United Kingdom, of Holton Road, Holton Heath, Poole, Dorset BH16 6LN, United Kingdom (hereinafter called the "Assignor")

and

2. **GSI Group Limited**, a company registered in the United Kingdom, of Cosford Lane, Swift Valley, Rugby, Warwickshire, CV21 1QN, United Kingdom (hereinafter called the "Assignee")

WHEREAS:

(A) The Assignor is the registered proprietor of the granted Patents, details of which are contained in Schedule 1, (hereinafter referred to as the 'Patents'), the Patent applications details of which are contained in Schedule 2 (hereinafter referred to as the 'Patent Applications') and the abandoned Patent applications details of which are contained in Schedule 3 (hereinafter referred to as the 'Abandoned Patent Applications')

(B) The Assignor has agreed to assign to the Assignee the Patents, the Patent Applications and the Abandoned Patent Applications, on the terms and conditions set out below.

NOW THIS ASSIGNMENT WITNESSETH as follows:-

3. In pursuance of the said agreement and in consideration of the sum of £ 10 (receipt of which is hereby acknowledged), the Assignor with full title guarantee HEREBY ASSIGNS unto the Assignee:

3.1 all of the rights of the Assignor to and in the Patents, Patent Applications and Abandoned Patent Applications and the right in respect of the Patents, Patent Applications and Abandoned Patent Applications to apply to the appropriate National Patent Office to be registered as proprietor in the countries listed in the Schedule; and

3.2 the right to recover and take all such proceedings as may be necessary for the recovery of damages or otherwise in respect of all infringements of the Patents, Patent Applications and Abandoned Patent Applications whether committed before or after the date of this Agreement.

TO HOLD the same unto the Assignee absolutely

4. The Assignor HEREBY COVENANTS with the Assignee as follows:-

4.1 It is the registered proprietor of the Patents, Patent Applications and Abandoned Patent Applications and has the full power to enter into this Assignment;

4.2 It has not, either by act or omission caused and permitted anything to be done which might endanger the validity of the Patents or Patent Applications or the ability of the Assignee to register this Assignment;

4.3 It has not assigned or agreed to assign to any person, firm or company or otherwise encumbered the Patents, Patent Applications, or Abandoned Patent Applications or any other part of the property and rights hereby assigned; and

4.4 That the Assignor will at the expense of the Assignee execute, sign and do all such instruments, applications, documents, acts and things which are within its control and as may be reasonably required by the Assignee or its nominee to enjoy the full benefit of the Patents and Patent Applications.

5. This Agreement shall be governed by and construed and interpreted in accordance with the laws of England and Wales and the parties hereby submit to the exclusive jurisdiction of the courts of England and Wales.

IN WITNESS of which this Assignment has been executed as a Deed and delivered the date and year first above written.

#### **SCHEDULE 1 – Granted Patents**

<b>Title</b>	<b>Country/Countries</b>	<b>Official Number</b>	<b>Filing Date</b>
Data Storage Disc Carrier	People's Republic of China	1231904C	10 May 2001
High Speed Drill Holders	People's Republic of China	1153642C	10 January 2000
An Improved Air Bearing	European Patent (DE – P69402549.6, BE, UK)	0705393	31 May 1994
Centrifugal Spindle	European Patent (DE – P69102229.1, CH, IT, UK)	0471808	27 February 1991
High Speed Drill Holders	European Patent (DE – P60001805.9, CH, IT, UK)	1144148	10 January 2000
High Speed Drilling Spindle with Reciprocating Ceramic Shaft and Double-Gripping Centrifugal Chuck	European Patent (DE – P69928895.9, CH, IT, UK)	0997226	10 September 1999
Rotary Shaft Speed Control	European Patent (DE – P69904593.2, CH, IT, UK)	1080374	19 May 1999

Rotating Beam Deflector Having an Integral Wave Front Correction Element	European Patent (UK)	0814358	17 April 1997
Rotary Shaft Speed Control	Israel	139726	19 May 1999
Centrifugal Actuating Device	Japan	3083843	27 February 1991
An Improved Air Bearing	Japan	3592713	31 May 1994
An Improved Air Bearing	United Kingdom	2325030	29 April 1998
Air Bearing Spindles	United Kingdom	2416572	21 July 2005
Manufacture of Data Storage Device	United Kingdom	2369485	06 September 2000
Mirror Assembly	United Kingdom	2327281	03 April 1997
Centrifugal Spindle	USA	5147165	27 February 1991
High Speed Drilling Spindle with Reciprocating Ceramic Shaft and Double- Gripping Centrifugal Chuck	USA	5997223	22 September 1998
Drilling Spindle with Pressure Foot Shutter	USA	4813825	22 February 1988
High Speed Drill Holders	USA	6443462	10 January 2000
High Speed Drilling Spindle with Reciprocating Ceramic Shaft and Double- Gripping Centrifugal Chuck	USA	6227777	09 November 1999
High Speed Drilling Spindle	USA	4869626	13 May 1988
High Throughput Hole Forming System with Multiple Spindles per Station	USA	6325576	15 November 2000
High Throughput Hole Forming System with Multiple Spindles per Station	USA	6174271	11 May 1999

Air Bearing	USA	6024493	06 May 1998
Manufacture of Data Storage Device	USA	6958874	06 September 2000
High Throughput Hole Forming System with Multiple Spindles per Station	USA	6960050	04 December 2001
Rotating Beam Deflector Having an Integral Wave Front Correction Element	USA	5768001	10 June 1996
Rotary Mirror Assembly Having a Spherical Housing	USA	6130769	03 April 1997
Air Bearing	USA	5593230	31 May 1994

#### **SCHEDULE 2 – Patent Applications**

<b>Title</b>	<b>Country/ Countries</b>	<b>Application Number</b>	<b>Filing Date</b>
Rotary Tool Holder Assemblies	United Kingdom	0525163.2	24 May 2004
Rotary Tool Holder Assemblies	United Kingdom	0617376.9	24 May 2004
Data Storage Disc Carrier	People's Republic of China	200410032358.9	10 May 2001
Rotary Tool Holder Assemblies	People's Republic of China	200480017923.2	24 May 2004
Machining Apparatus and Methods	People's Republic of China	03812219.7	27 May 2003
Air Bearing	European Patent Application all designated states	01309607.8	14 November 2001
High Speed Drilling Spindle with Reciprocating Ceramic Shaft and Double-Gripping Centrifugal Chuck	European Patent Application all designated states	04077201.4	10 September 1999

Data Storage Disc Carrier	European Patent Application all designated states	01925762.5	10 May 2001
Rotary Tool Holder Assemblies	European Patent Application all designated states	04734547.5	24 May 2004
Machining Apparatus and Methods	European Patent Application all designated states	03725455.4	27 May 2003
Data Storage Disc Carrier	European Patent Application all designated states	06075003.1	10 May 2001
High Speed Drilling Spindle with Reciprocating Ceramic Shaft and Double- Gripping Centrifugal Chuck	Hong Kong	05103906.2	10 May 2005
Machining Apparatus and Methods	Israel	165116	27 May 2003
An Improved Air Bearing	Japan	126332/98	08 May 1998
Rotary Tool Holder Assemblies	Japan	Japanese Patent Application based on International Patent Application No. PCT/GB04/02214	24 May 2004
High Speed Drill Holders	Japan	2000-595808	10 January 2000
Data Storage Disc Carrier	Japan	2001-584423	10 May 2001
Machining Apparatus and Methods	Japan	2004-509025	27 May 2003
Manufacture of Data Storage Devices	Japan	2001-525694	06 September 2000
Rotary Tool Holder Assemblies	South Korea	7022369/2005	24 May 2004
Machining Apparatus and Methods	South Korea	7019415/2004	27 May 2003
Data Storage Disc Carrier	Malaysia	PI20012257	14 May 2001

Hydraulic Chucks	PCT all designated states	GB05/01992	23 May 2005
Machining Spindle Speed Probes	PCT all designated states	GB05/02867	21 July 2005
Air Bearing Spindles	PCT all designated states	GB05/02865	21 July 2005
Hydraulic Chucks	Taiwan	094116870	24 May 2005
Rotary Tool Holder Assemblies	USA	10/557830	24 May 2004
Data Storage Disc Carrier	USA	10/275919	10 May 2001
Data Storage Disc Carrier	USA	11/530951	10 May 2001
Machining Apparatus and Methods	USA	10/516378	27 May 2003

### **SCHEDULE 3 - ABANDONED Patent Applications**

<b>Title</b>	<b>Country/ Countries</b>	<b>Application Number</b>	<b>Filing Date</b>
Drive Spindles	United Kingdom	0501805.6	28 January 2005
Gas Bearing Spindles	United Kingdom	0507681.5	15 April 2005
Hydraulic Chucks	United Kingdom	0411686.9	25 May 2004
Drive Spindles	United Kingdom	0419616.8	03 September 2004
Drive Spindles	United Kingdom	0501806.4	28 January 2005
High Speed Drill Holders	United Kingdom	9901718.8	26 January 1999
Machining Spindles	United Kingdom	0504228.8	01 March 2005
Improvements in Rotating Mirrors	United Kingdom	9706771.4	03 April 1997
Manufacture of Data Storage Devices	United Kingdom	0010272.3	27 April 2000
An Improved Air Bearing	United Kingdom	9709347.0	08 May 1997



Apparatus for Drilling Printed Circuit Boards	United Kingdom	9609755.5	10 May 1996
Data Storage Disc Carrier	United Kingdom	0011714.3	15 May 2000
Rotary Shaft Speed Control	United Kingdom	9810864.0	20 May 1998
Rotary Tool Holder Assemblies	United Kingdom	0311852.8	22 May 2003
Machine Apparatus And Methods	United Kingdom	0212775.1	31 May 2002
Air Bearing Spindles	United Kingdom	0416495.0	23 July 2004
Data Storage Disc Carriers	United Kingdom	0416716.9	27 July 2004
Drilling Spindle Speed Probes	United Kingdom	0416827.4	28 July 2004
Optical Spinner Housings	United Kingdom	9818643.0	26 August 1998
Machining Spindles And Shafts	United Kingdom	0420526.6	15 September 2004
Manufacture of Data Storage Devices	United Kingdom	9922238.2	20 September 1999
Data Storage Disc Carriers	United Kingdom	0422545.4	11 October 2004
Apparatus for Forming Holes in Sheet Material	United Kingdom	9723510.5	06 November 1997
Trepanning Systems	United Kingdom	9723518.8	06 November 1997
Trepanning Systems	United Kingdom	9723513.9	06 November 1997
Air Bearings	United Kingdom	0027924.0	15 November 2000
Improved Air Bearing	United Kingdom	0027926.5	15 November 2000
Machining Spindles	United Kingdom	0426834.8	07 December 2004
Image Reproduction	United Kingdom	9827708.0	16 December 1998
Image Reproduction	United Kingdom	0426835.5	07 December 2004

Rotating Mirrors with Reduced Variation in Centrifugal Distortion	European Patent Application	98301637.9	05 March 1998
Air Bearings	European Patent Application	96305469.7	25 July 1996
Rotating Polygons	Japan	90112/98	02 April 1998
Rotary Shaft Speed Control	Japan	2000-549973	19 May 1999
High Speed Drill Holders	PCT	GB00/00038	10 January 2000
Mirror Assembly	PCT	GB97/00946	03 April 1997
Data Storage Disc Carrier	PCT	GB01/02055	10 May 2001
Wafer and Optical Path Modifying Disc Holders	PCT	GB01/02097	14 May 2001
Rotary Shaft Speed Control	PCT	GB99/01584	19 May 1999
Machining Apparatus and Methods	PCT	GB03/02303	27 May 2003
Manufacture of Data Storage Devices	PCT	GB00/03414	06 September 2000
An Optical Housing	PCT	GB95/02747	24 November 1995
Rotary Tool Holder Assemblies	PCT	GB04/02214	24 May 2004
Optical Housing	Taiwan	84112703	30 November 1995
Improvements in Rotating Mirrors	USA	09/050968	31 March 1998

EXECUTED AS A DEED BY  
Westwind Air Bearings Limited

In accordance with the laws of the  
United Kingdom

In the presence of:

Name of Witness

) Chris Roberts

)Name: Chris Roberts

)Position: Financial Director

) James

) S J MANNINGS

EXECUTED AS A DEED BY  
GSI Group Limited

In accordance with the laws of the  
United Kingdom

In the presence of:

Name of Witness:

) \_\_\_\_\_

)Name: Robert Bowen

)Position: Director

) Robert Bowen

) Paula A. Pluta

) Paula A. Pluta

)Name: Thomas R. Swain

)Position: Director

) Thomas R. Swain

) Paula A. Pluta

) Paula A. Pluta