

Filed on behalf of ABB, Inc.

By: Richard D. Mc Leod (Reg. No. 46,921)

rick.mcleod@klarquist.com

Michael D. Jones (Reg. No. 41,879)

michael.jones@klarquist.com

Klarquist Sparkman LLP

One World Trade Center, Suite 1600

121 S.W. Salmon Street

Portland, Oregon 97204

Telephone: (503) 595-5300

Facsimile: (503) 595-5301

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

ABB, INC.

Petitioner

v.

ROY-G-BIV CORPORATION

Patent Owner

Case IPR2013-00062

Case IPR2013-00282

Patent 6,516,236 B1

ABB'S CURRENT LIST OF EXHIBITS

LIST OF EXHIBITS

Previously Filed

- 1001 David W. Brown et al., U.S. Patent No. 6,516,236, “Motion Control Systems”, Issued February 4, 2003.
- 1002 Gertz, M.W., *A Visual Programming Environment for Real-Time Control Systems*. Ph.D. dissertation, Carnegie Mellon University, Nov. 22, 1994 (“Gertz”).
- 1003 Microsoft Corporation, *WOSA (Windows Open Services Architecture) Extensions for Financial Services*, April 14, 1994 (“WOSA/XFS”).
- 1004 Stewart, D.B., *Real-Time Software Design and Analysis of Reconfigurable Multi-Sensor Based Systems*. Ph.D. dissertation, Carnegie Mellon University, April 1, 1994 (“Stewart”).
- 1005 Morrow, J. Dan; Nelson, Bradley J.; and Khosla, Pradeep, *Vision and Force Driven Sensorimotor Primitives for Robotic Assembly Skills*. Institute for Software Research, paper 574, January 1, 1995 (“Morrow”).
- 1006 Microsoft Press, *MS Windows 3.1 Device Driver Adaptation Guide*, © 1991, Chs. 1-2, 4, 10-12 (“DDAG”).
- 1007 Hall, Marty and Mayfield, James, *Improving the Performance of AI Software: Payoffs and Pitfalls in Using Automatic Memoization*. Proceedings of Sixth International Symposium on Artificial Intelligence, Monterrey, Mexico, September 1993 (“Hall”).
- 1008 Michael Wright et al., U.S. Patent No. 5,453,933, “CNC Control System,” issued Sept. 26, 1995 (“Wright”).
- 1009 David B. Stewart et al., *The Chimera II Real-Time Operating System for Advanced Sensor-Based Control Applications*. Institute for Software Research, paper 613, January 1, 1992 (“Chimera II”).
- 1010 Cashin, J., *WOSA: Windows Open Services Architecture*, January 11, 1994 (“Cashin”).

- 1011 Kevin Holloway, *Motion Software Heads Toward Friendlier User Environments*, published at www.roygbiv.com/XMCreview1.htm, January 21, 1997 (“Holloway”).
- 1012 Plaintiff Roy-G-Biv Corporation’s Opening Markman Brief, *Roy-G-Biv Corp., v. Fanuc Ltd., et al.* (E.D.Tex., Nov. 21, 2008) (CASE NO. 2:07-CV-0418-DF-CE) (“RGB Markman Brief”).
- 1013 Claim Construction Order, *Roy-G-Biv Corp., v. Fanuc Ltd., et al.* (E.D.Tex., Nov. 21, 2008) (CASE NO. 2:07-CV-0418-DF-CE) (“Markman Order”).
- 1014 U.S. Patent No. 5,881,230, “Method and System for Remote Automation of Object Oriented Applications,” issued Mar. 9, 1999 (“Christensen”).
- 1015 U.S. Patent No. 5,691,897, “Motion Control Systems,” issued Nov. 25, 1997 (“the ’897 Patent”).
- 1016 U.S. Patent No. 5,867,385, “Motion Control Systems,” issued Feb. 2, 1999 (“the 385 Patent”).
- 1017 Jacob Tal, *Step by Step Design of Motion Control Systems*, Chapters 9 and 10, Galil Motion Control, Inc., 1994 (“Tal”).
- 1018 Hewlett Packard, *Matrix/Plotter Programming*, HP 9831A Desktop Computer, 1977 (“HP77”).
- 1019 Hewlett Packard, *Interface and Programming Manual*, HP 7550 Graphics Plotter, 3rd ed., 1986 (“HP86”).
- 1020 Hewlett Packard, *User’s Guide*, HP 7550 Plus Plotter, 1990 (“HP90”).
- 1021 Martin L. Stone et al., *An Intelligent Plotter for High-Throughput, Unattended Operation*, *Hewlett-Packard Journal*, April, 1985 (“HP85”).
- 1022 Preliminary Infringement Contentions, *ROY-G-BIV Corp., v. ABB, Ltd. et al.* (E.D.Tex., Sept. 14, 2012) (CASE NO. 6:11-CV-00622-LED) (“RGB PIC”).
- 1023 Preliminary Infringement Contentions, Exhibit B, *ROY-G-BIV Corp., v. ABB, Ltd. et al.* (E.D.Tex., Sept. 14, 2012) (CASE NO. 6:11-CV-00622-

LED) (“RGB PIC, Ex. B”).

- 1024 U.S. Patent No. 6,516,236, Appendix A.
- 1025 Excerpt of RGB Design Document - 3.2 Project Evolution With Compumotor Influence.
- 1026 RGB’s April 26, 2013 Letter Brief to the District Court re Indefiniteness Dkt #150-1.
- 1027 RGB Corporation’s Opening Markman Brief, ROY-G-BIV Corp., v. ABB, Ltd. et al. (E.D.Tex., Apr. 26, 2013) (CASE NO. 6:11-CV-00622-LED) (“RGB Opening Markman Brief”).
- 1028 Defendants’ Joint Claim Construction Brief, ROY-G-BIV Corp., v. ABB, Ltd. et al. (E.D.Tex., May 10, 2013) (CASE NO. 6:11-CV-00622-LED) (“Defs. JCCB”).
- 1029 RGB Corporation’s Reply Markman Brief, ROY-G-BIV Corp., v. ABB, Ltd. et al. (E.D.Tex., May 24, 2013) (CASE NO. 6:11-CV-00622-LED) (“RGB Reply Markman Brief”).
- 1030 Claim Construction Memorandum Opinion and Order, ROY-G-BIV Corp., v. ABB, Ltd. et al. (E.D.Tex., July 25, 2013) (CASE NO. 6:11-CV-00622-LED) (“Markman Memorandum Order”).
- 1031 Affidavit of Steven M. Auvil In Support Of Motion for Admission *Pro Hac Vice*.

(Use of common exhibit numbers across Trial Nos. IPR2013-00062, -063, -074 was authorized in a conference call on October 8, 2013).

- 1100 Gertz, Matt, *Chimera 3.2 FAQ*, October 14, 1994.
- 1101 Stewart, David B., *The Chimera Methodology: Designing Dynamically Reconfigurable Real-Time Software using Port-Based Objects*, October 1994.
- 1102 Stewart, David B., *CHIMERA II: A Real-Time UNIX-Compatible Multiprocessor Operating System for Sensor-based Control Applications*, September 1989.
- 1103 Stewart, David B., *Chimera 3.2, The Real-Time Operating System for*

Reconfigurable Sensor-Based Control Systems, February 8, 1995.

- 1104 Deposition Transcript for David B. Stewart, October 8, 2013.
- 1105 *Intentionally left blank.*
- 1106 *Intentionally left blank.*
- 1107 *Intentionally left blank.*
- 1108 *Intentionally left blank.*
- 1109 *Intentionally left blank.*
- 1110 David Brown, Weekly Status Report, 5-15-1995 to 5-19-1995.
- 1111 David Brown, Weekly Status Report, 5-08-1995 to 5-12-1995.
- 1112 [Redacted] David Brown, Weekly Status Report, 4-24-1995 to 4-28-1995.
- 1113 [Redacted] David Brown, Weekly Status Report, 4-17-1995 to 4-21-1995.
- 1114 David Brown, Weekly Status Report, 4-10-1995 to 4-14-1995.
- 1115 David Brown, Weekly Status Report, 11-21-1994 to 11-25-1994.
- 1116 [Redacted] David Brown, Weekly Status Report, 3-20-1995 to 3-24-1995.
- 1117 *Intentionally left blank.*
- 1118 *Intentionally left blank.*
- 1119 *Intentionally left blank.*
- 1120 [Redacted] RGB Officer Meeting, June 27, 1995.
- 1121 *Intentionally left blank.*
- 1122 David Brown, Weekly Status Report, 3-06-1995 to 3-10-1995.
- 1123 David Brown, Weekly Status Report, 2-26-1995 to 3-03-1995.
- 1124 David Brown, Weekly Status Report, 2-20-1995 to 2-25-1995.

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.