

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

GCE GAS CONTROL EQUIPMENT INC.,

Petitioner,

v.

VBOX, Inc.,

Patent Owner.

Case No. IPR2023-00326

U.S. Patent No. 11,389,614

PETITIONER'S UPDATED EXHIBIT LIST

UPDATED EXHIBIT LIST

Exhibit No.	Description
1001	U.S. Patent No. 11,389,614 ('614 patent)
1002	File History of U.S. Patent No. 11,389,614 (U.S. Application No. 15/931,716) ('614 patent FH)
1003	Declaration of Kent S. Knaebel, Ph.D. (Knaebel Declaration)
1004	U.S. Patent Application Publication No. 2005/0072306 to Deane, Taylor, Bare, Sargent, and Scherer (<i>Deane</i>)
1005	U.S. Patent No. 6,520,176 to Dubois, Bodelin and Vigor (<i>Dubois</i>)
1006	PCT International Patent Application Publication No. WO 2005/009590 to Berntson (<i>Berntson</i>)
1007	U.S. Patent Application Publication No. 2005/0028868 to Basset, Jean and Schmutz (<i>Basset</i>)
1008	U.S. Patent No. 6,311,719 to Hill, Hill and Hansen (<i>Hill '719</i>)
1009	U.S. Patent Application Publication No. 2003/0167924 to McCombs, Casey, Chimiak and Klimaszewski (<i>McCombs '924</i>)
1010	U.S. Patent Application Publication No. 2006/0117957 to McCombs, Bosinski, Casey and Valvo (<i>McCombs '957</i>)
1011	U.S. Provisional Application No. 60/617,834 to McCombs and Bosinski (<i>McCombs '835 Prov</i>)
1012	U.S. Patent Application Publication No. 2002/0033095 to Warren (<i>Warren '095</i>)
1013	U.S. Patent No. 6,651,658 to Hill, Radtke, Schneider and Bixby (<i>Hill '658</i>)
1014	U.S. Patent Application Publication No. 2006/0283325 to Sugano (<i>Sugano</i>)
1015	U.S. Patent Application Publication No. 2003/0005928 to Appel, Winter, Sward, Sugano, Salter and Bixby (<i>Appel '928</i>)
1016	U.S. Patent No. 4,802,899 to Vrana and Bansal (<i>Vrana</i>)
1017	U.S. Patent No. 4,404,005 to Hamlin and Taylor (<i>Hamlin</i>)
1018	U.S. Patent No. 4,065,272 to Armond (<i>Armond</i>)
1019	U.S. Patent No. 7,144,446 to Lessi (<i>Lessi</i>)
1020	U.S. Patent No. 5,578,115 to Cole (<i>Cole</i>)
1021	U.S. Patent No. 4,584,001 to Dechene (<i>Dechene</i>)

Exhibit No.	Description
1022	U.S. Patent No. 4,094,755 to Mueller (<i>Mueller</i>)
1023	U.S. Patent No. 4,530,706 to Jones (<i>Jones</i>)
1024	U.S. Patent No. 6,149,138 to Birdsell (<i>Birdsell</i>)
1025	U.S. Patent Application Publication No. 2006/0000223 to Dickerson (<i>Dickerson</i>)
1026	U.S. Patent No. 5,275,642 to Bassine (<i>Bassine</i>)
1027	U.S. Patent No. 4,916,630 to Miller (<i>Miller '630</i>)
1028	U.S. Patent Application Publication No. 2006/0137522 to Nishimura, Makari, Motoki and Kobayashi (<i>Nishimura</i>)
1029	U.S. Patent No. 6,471,744 to Hill (<i>Hill '744</i>)
1030	U.S. Patent No. 6,344,069 to Smolarek, Sinicropi and Schaub (<i>Smolarek '069</i>)
1031	U.S. Patent No. 5,429,666 to Agrawal, Kumar, Naheiri and Watson (<i>Agrawal '666</i>)
1032	U.S. Patent No. 5,906,672 to Michaels, Birangi and Polaseck (<i>Michaels '672</i>)
1033	U.S. Patent No. 6,547,851 to Warren (<i>Warren '851</i>)
1034	U.S. Patent Application Publication No. 2002/0144596 to Dee, Chiang, Miller and Whitley (<i>Dee '596</i>)
1035	U.S. Patent No. 5,114,440 to Reiss (<i>Reiss '440</i>)
1036	U.S. Patent No. 4,449,990 to Tedford (<i>Tedford '990</i>)
1037	U.S. Patent No. 6,544,318 to Dee, Chiang, Miller and Whitley (<i>Dee '318</i>)
1038	U.S. Patent No. 7,135,059 to Deane, Taylor, Bare, Sargent and Scherer (<i>Deane '059</i>)
1039	U.S. Patent No. 7,438,745 to Deane, Taylor and Li (<i>Deane '745</i>)
1040	U.S. Patent No. 7,250,073 to Keefer, McLean and Babicki (<i>Keefer '073</i>)
1041	U.S. Patent No. 6,585,804 to Kleinberg, Pillarella and Guro (<i>Kleinberg '804</i>)
1042	U.S. Patent No. 6,143,056 to Smolarek and Kun (<i>Smolarek '056</i>)
1043	U.S. Patent No. 5,827,358 to Kulish and Swank (<i>Kulish</i>)
1044	U.S. Patent No. 6,802,889 to Graham, Occhialini and Puri (<i>Graham</i>)
1045	U.S. Patent No. 6,691,702 to Appel, Winter, Sward, Sugano, Salter and Bixby (<i>Appel '702</i>)

Exhibit No.	Description
1046	U.S. Patent No. 4,687,573 to Miller and Verrando (<i>Miller '573</i>)
1047	U.S. Patent Application Publication No. 2005/0072426 to Deane, Taylor, Bare, March, Merchant and Smith (<i>Deane '426</i>)
1048	U.S. Patent Application Publication No. 2005/0045041 to Hechinger and Zarate (<i>Hechinger</i>)
1049	File History of U.S. Patent No. 7,954,490 (U.S. Application No. 11/054,341) (<i>'490 patent FH</i>)
1050	File History of U.S. Application No. 13/096,362 (<i>'362 application FH</i>)
1051	File History of U.S. Application No. 13/795,977 (<i>'977 application FH</i>)
1052	File History of U.S. Patent No. 10,702,669 (<i>'669 patent FH</i>)
1053	File History of U.S. Patent No. 10,357,628 (<i>'628 patent FH</i>)
1054	U.S. Patent No. 10,357,628 (<i>'628 patent</i>)
1055	U.S. Patent No. 7,954,490 (<i>'490 patent</i>)
1056	U.S. Patent No. 10,702,669 (<i>'669 patent</i>)
1057	Atmosphere National Geographic Society, https://education.nationalgeographic.org/resource/atmosphere Retrieved December 2, 2022 (<i>National Geographic</i>)
1058	U.S. Patent No. 4,859,217 to Chao (<i>Chao</i>)
1059	The American Heritage Dictionary of the English Language, Fourth Edition, Houghton Mifflin Company, 2000, selected pages (<i>American Heritage</i>)
1060	New Oxford American Dictionary, Oxford University Press, 2001, selected pages (<i>New Oxford</i>)
1061	<i>Bloomsbury English Dictionary, Second Edition, Bloomsbury Publishing, 2004, selected pages (Bloomsbury)</i>
1062	<i>Webster's Third New International Dictionary, Merriam-Webster Inc., 2002, selected pages (Webster)</i>
1063	<i>Plaintiff/Counter-Defendant GCE Gas Control Equipment Inc.'s Stipulation of Invalidity Contentions, filed in GCE Gas Control Equip., Inc. v. 3B Medical Mfg., LLC, No. 22-cv-02550 (D. Md.) (Dkt. 28) (D. Ct. Sotera Stipulation)</i>
1064	United States Courts, <i>U.S. D. Ct.—Judicial Caseload Profile: Maryland</i> (reporting period ending June 30, 2022), https://www.uscourts.gov/sites/default/files/fcms_na_distprofile0630.2022_0.pdf (<i>Judicial Caseload Profile for D. Md.</i>)

Exhibit No.	Description
1065	<i>Order</i> , filed in <i>In re CTP Innovations, LLC, Patent Litigation</i> , No. 14-cv-2581 (D. Md.) (Dkt. 38)
1066	<i>Order</i> , filed in <i>Paice LLC v. BMW AG</i> , No. 19-cv-03348 (D. Md.) (Dkt. 98)
1067	U.S. Patent Provisional Application No. 60/489,674 to Berntson (<i>Berntson Provisional</i>)
1068	Ruthven et al., Pressure Swing Adsorption (1994)
1069	April 21, 2023 Email from Board Authorizing Reply to POPR
1070	3B's May 22, 2023 Opening Claim Construction Brief (Dkt. 36) in Related District Court Matter
1071	GCE's May 22, 2023 Opening Claim Construction Brief (Dkt. 38) in the Related District Court Matter
1072	3B's June 21, 2023 Responsive Claim Construction Brief (Dkt. 41) in the Related District Court Matter
1073	GCE's June 21, 2023 Responsive Claim Construction Brief (Dkt. 42) in the Related District Court Matter
1074	Deposition Transcript of Dr. Orhan Talu (December 1, 2023).
1075	File History of U.S. Patent No. 7,604,005 (Application No. 11/054,615).
1076	3B's Infringement Contentions for U.S. Patent No. 10,357,628 in Related District Court Matter
1077	Excerpts from Newtonian Physics by Benjamin Crowell, Edition 2.0 (August 13, 2000) (including internet archive copies of web version available as of April 2001)
1078	Declaration of Kent S. Knaebel, Ph.D., December 21, 2023
1079	Petitioner's Demonstrative Exhibits

Dated: March 15, 2024

Respectfully submitted,

/s/ Robert M. Masters

Robert M. Masters (Reg. No. 35,603)

Timothy Cremen (Reg. No. 50,855)

Roy D. Jung (Reg. No. 80,281)

**SHEPPARD, MULLIN, RICHTER &
HAMPTON LLP**

2099 Pennsylvania Avenue, NW, Suite 100

Washington, DC 20006-6801

Tel.: 202.747.1900

Fax: 202.747.1901

legaltm-gce-ipr@sheppardmullin.com

Eric K. Gill (Reg. No. 71,709)

**SHEPPARD, MULLIN, RICHTER &
HAMPTON LLP**

12275 El Camino Real, Suite 100

San Diego, CA 92130-4092

Telephone: (858) 720-8900

Fax: (858) 509-3691

*Counsel for Petitioner GCE Gas Control
Equipment Inc.*

CERTIFICATE OF SERVICE

Pursuant to 37 C.F.R. § 42.6(e), the undersigned hereby certifies that the foregoing
Petitioner's Updated Exhibit List and Exhibit 1079 were filed with the PTAB through P-TACTS
and served via email on attorneys of record at the following addresses:

Timothy J. Murphy tmurphy@cgolaw.com

David L. Atallah datallah@cgolaw.com

Jessica Fleetham jfleetham@cgolaw.com

Date: March 15, 2024

/s/ Robert M. Masters

Robert M. Masters (Reg. No. 35,603)

Sheppard, Mullin, Richter &
Hampton LLP
2099 Pennsylvania Avenue, NW
Suite 100
Washington, DC 20006-6801
Tel.: 202.747.1900
Fax: 202.747.1901
legaltm-gce-ipr@sheppardmullin.com

*Counsel for Petitioner GCE Gas Control
Equipment Inc.*