UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

COMCAST CABLE COMMUNICATIONS, LLC,
Petitioner,

v.

ENTROPIC COMMUNICATIONS, LLC,
Patent Owner.

Case IPR2025-00180
Patent 11,785,275

PATENT OWNER ENTROPIC COMMUNICATIONS LLC'S NOTICE OF INTENT TO DESIGNATE PROVISIONALLY RECOGNIZED PTAB ATTORNEY NATHAN NOBU LOWENSTEIN AS BACKUP COUNSEL UNDER 37 C.F.R. § 42.10(c)

EXHIBIT LIST	
2001	Table Of Parallel Petitions Filed By All Petitioners (July 16, 2019-January 31, 2025) [All-Parallel-Petitions]
2002	Table of All Petitions Filed By Comcast (As Petitioner or RPI) (2016-2025) [All-Comcast-Petitions]
2003	PTAB Multiple Petitions Study [Multiple-Petitions-Study]
2004	PTAB Multiple Petitions Study Executive Summary [Executive-Summary]
2005	FreeWheel About Webpage (www.freewheel.com/about)
2006	Declaration of Kenneth K. Wang [Wang-Decl.]
2007	Director Vidal's June 21, 2022, Memorandum Regarding Discretionary Denial With Co-Pending District Court Litigation[Interim-Denial-Memo]
2008	Reserved
2009	Email Request For Director Review [PainTEQ-Email-Request]
2010	Formal Request For Director Review [PainTEQ-Rehearing-Request]
2011	Declaration of Nathan Lowenstein in Support of Patent Owner's Notice Of Intent To Designate Provisionally Recognized PTAB Attorney Nathan Nobu Lowenstein As Backup Counsel Under 37 C.F.R. § 42.10(C)

Mail Stop PATENT BOARD
Patent Trial and Appeal Board
U.S. Patent & Trademark Office
P.O. Box 1450
Alexandria, Virginia 22313-1450

I. INTRODUCTION

Pursuant to 37 C.F.R. § 42.10(c), Patent Owner Entropic Communications LLC ("Patent Owner") files this notice of its intent to designate provisionally recognized PTAB attorney Nathan Nobu Lowenstein (Mr. Lowenstein) as backup counsel. The facts set forth below and the accompanying Declaration of Mr. Lowenstein, Ex. 2011 ("Lowenstein Decl."), support *pro hac vice* admission.

II. GOVERNING LAW, RULES, AND PRECEDENT

Section 42.10(c), 37 C.F.R., provides that:

> (i) Any counsel who is not a registered practitioner, who has been previously recognized pro hac vice in a Board proceeding, and who has not subsequently been denied permission to appear pro hac vice in a Board proceeding shall be considered a provisionally recognized PTAB attorney. Provisionally recognized PTAB attorneys shall be eligible for automatic pro hac vice admission in subsequent proceedings, subject to the following conditions.
>
> (ii) If a party seeks to be represented in a proceeding by a provisionally recognized PTAB attorney, that party may file a notice of intent to designate a provisionally recognized PTAB attorney as back-up counsel. No fee is required for such a notice. The notice shall:

(A) Identify a registered practitioner who will serve as lead counsel, and

(B) Be accompanied by a certification in the form of a declaration or affidavit in which the provisionally recognized PTAB attorney attests to satisfying all requirements set forth by the Board for pro hac vice recognition of a provisionally recognized PTAB attorney and agrees to be subject to the USPTO Rules of Professional Conduct set forth in §§ 11.101 et seq. of this chapter and disciplinary jurisdiction under § 11.19(a) of this chapter.

As enumerated in *Unified Patents, Inc. v. Parallel Iron, LLC*, IPR2013-00639, Paper 7 (P.T.A.B. Oct. 15, 2013) ("*Unified Patents* Order"), the Board has further required that counsel seeking to appear *pro hac vice* submit an affidavit or declaration attesting to the following:

i. Membership in good standing of the Bar of at least one State or the District of Columbia;

ii. No suspensions or disbarments from practice before any court or administrative body;

iii. No application for admission to practice before any court or administrative body ever denied;

iv. No sanctions or contempt citations imposed by any court or administrative body;

v. The individual seeking to appear has read and will comply with the Office Patent Trial Practice Guide and the Board's Rules of Practice for Trials set forth in part 42 of 37 C.F.R.;

vi. The individual will be subject to the U.S.P.T.O. Rules of Professional Conduct set forth in 37 C.F.R. §§ 11.101 *et seq.* and disciplinary jurisdiction under 37 C.F.R. § 11.19(a);

vii. All other proceedings before the Office for which the individual has applied to appear *pro hac vice* in the last three (3) years; and

viii. Familiarity with the subject matter at issue in the proceeding.

III. STATEMENT OF FACTS

Based on the following statement of facts, and supported by the Declaration of Nathan Nobu Lowenstein, submitted herewith as Exhibit 2011, Patent Owner requests the automatic *pro hac vice* admission of Nathan Nobu Lowenstein in this proceeding:

1. Patent Owner's lead counsel, Parham Hendifar is a registered practitioner (Reg. No. 71,470). Patent Owner's first back-up counsel, Kenneth J. Weatherwax (the undersigned), is also a registered practitioner (Reg. No. 54,528).

2. Mr. Lowenstein is a partner at the law firm of Lowenstein & Weatherwax LLP. Ex. 2011 ¶ 8.

3. Mr. Lowenstein is an experienced litigator, and the majority of his practice has consisted of patent litigation and other patent related matters such as PTAB litigations and matters before the United States Court of Appeals for the Federal Circuit. *Id*. ¶ 9. Representative patent litigations where Mr. Lowenstein has been actively involved as patent litigation counsel include:

- *Microprocessor Enhancement Corp. v. Texas Instruments Inc.*, 8:08-cv-01123 (C.D. Cal.).
- *The Quantum World Corp. v. Atmel Corp.*, 2:07-cv-00024 (E.D. Tex.).
- *St. Jude Med., Inc. v. Access Closure, Inc.*, 4:08-cv-04101 (W.D. Ark.).
- *Tessera, Inc. v. Micron Tech., Inc.*, 2:05-cv-00094 (E.D. Tex.).

Ex. 2011 ¶ 9.

4. Mr. Lowenstein's experience in post-grant patent proceedings includes drafting patent owner responses, taking depositions, and presenting oral arguments before the Board. *Id*. ¶ 10. Representative matters where Mr. Lowenstein is or was actively involved include:

- *DirecTV, LLC v. Entropic Communications, LLC* (IPR2024-01061, -01064).

- *MediaTek, Inc. v. MOSAID Technologies Inc.* (IPR2024-00718, -00719, -00720, -00721, -00598, -00599, -00600).
- *Comcast Cable Communications, LLC v. Entropic Communications, LLC* (IPR2025-00180, -00181, -00182; IPR2024-00432, -00433, -00434, -00435, -00436, -00437, -00438, -00439, -00440, -00446, -00452).
- *Cox Communications, Inc. v. Entropic Communications* (IPR2024-00579).
- *DISH Network LLC v. Entropic Communications LLC* (IPR2024-00462, -00560).
- *Google LLC v. Security First Innovations LLC* (IPR2024-00214, -00215).
- *T-Mobile USA, Inc. et al. v. Cobblestone Wireless, LLC* (IPR2024-00136).
- *Hewlett Packard Enterprise Company* and *Cisco Systems, Inc., v. Cobblestone Wireless LLC* (IPR2024-00707).
- *Samsung Electronics America, Inc., Samsung Electronics Co., Ltd. v. Cobblestone Wireless LLC* (IPR2024-00319, -00606).
- *Edwards Lifesciences Corp. et al. v. Aortic Innovations LLC* (IPR2023-01151, -01232, -01325).

- *Samsung Elecs. Co., Ltd. et al. v. Smart Mobile Techs., LLC* (IPR2022-01248).
- *Apple, Inc. v. Smart Mobile Techs. LLC* (IPR2022-00807).
- *Edwards Lifesciences Corp. et al. v. Aortic Innovations, LLC* (IPR2022-00556).
- *Google LLC v. Neonode Smartphone LLC* (IPR2021-01041).
- *Hulu, LLC v. DivX LLC* (IPR2021-01418, -01419).
- *Patent Quality Assurance, LLC v. VLSI Tech. LLC* (IPR2021-01229).
- *Samsung Elecs. Co., Ltd. et al. v. Neonode Smartphone LLC* (IPR2021-00144).
- *Edwards Lifesciences Corp. et al. v. Aortic Innovations, LLC* (IPR2021-01527, -01584; IPR2022-00034, -00193).
- *OpenSky Industries, LLC v. VLSI Technology LLC* (IPR2021-01056, -01064).
- *Cohesity Inc. v. Commvault Systems, Inc.* (IPR2021-00934, -00935).
- *Netflix Inc. et al. v. DivX, LLC* (IPR2020-00558, -00614, -00646).
- *DISH Network LLC et al. v. Sound View Innovations, LLC* (IPR2020-01041).
- *Apple Inc. v. SEVEN Networks, LLC* (IPR2020-00236, -00255, -00280, -00281, -00285, -00506, -00507, -00584).

- *Intel Corp. v. VLSI Tech. LLC* (IPR2020-00106, -00112, -00113, -00114, -00141, -00142, -00158, -00498, -00526, -00527, -00582, -00583).
- *Intel Corp. v. VLSI Tech. LLC* (IPR2019-01192, -01197, -01198, -01199, -01200).
- *Unified Patents Inc. v. DivX, LLC* (IPR2019-01379).
- *ZTE (USA), Inc. v. SEVEN Networks, LLC* (IPR2019-00412, -00460, -00461).
- *Apple, Inc. v. IXI IP, LLC* (IPR2019-00124, -00125, -00139, -00140, -00141, -00181).
- *Samsung Elecs. Co., Ltd. v. SEVEN Networks, LLC* (IPR2018-01106, -01108, -01120, -01122, -01124, -01125, -01126, -01127).
- *Google LLC v. SEVEN Networks, LLC* (IPR2018-01047 through -01052, -01101, -01116 through -01118).
- *Intel Corp. v. VLSI Tech. LLC* (IPR2018-01033, -01038, -01040, -01105, -01107, -01144).
- *Unified Patents Inc. v. Sound View Innovations, LLC* (IPR2018-00096, -00599).
- *Hulu, LLC v. Sound View Innovations, LLC* (IPR2018-00017, -00366, -00582, -00864, -01023, -01039).

- *Alphonso, Inc. v. Free Stream Media Corp.* (IPR2017-01730, -01731).
- *Facebook, Inc. v. Sound View Innovations, LLC* (IPR2017-00985, -00986, -00998, -01002 through -01006).
- *Kingston Tech. Co. v. Polaris Innovations, Ltd.* (IPR2016-01621 through -01623, IPR2017-00114, -00116, -00238).
- *Intel Corp. v. Future Link Sys., LLC* (IPR2016-01398, -01400 through -01402).
- Matters involving Solocron Media, LLC (IPR2015-00342, -00349, -00350, -00364, -00376, -00380, -00383, -00387 through -00392).
- *Microsoft Corp. v. IpLearn-Focus, LLC* (IPR2015-00095, -00097).
- Matters involving Maxim Integrated Products, Inc. (CBM2014-00038 through -041, -00177 through -00180, CBM2015-00098, -00101, -00102, IPR2016-00032, -00033).
- *Nissan N. Am., Inc. v. Diamond Coating Techs., LLC* (IPR2014-01545 through -01548).

Ex. 2011 ¶ 10.

5. Mr. Lowenstein has an established familiarity with the subject matter at issue in this proceeding. *Id*. ¶ 15. Mr. Lowenstein has reviewed the Patent at issue as well as the Petition and the relevant art. *Id*.

6. Mr. Lowenstein is a member in good standing of the State Bar of California. *Id*. ¶¶ 1, 2.

7. Mr. Lowenstein has never been suspended or disbarred from practice before any court or administrative body. *Id*. ¶ 3.

8. No application of Mr. Lowenstein for admission to practice before any court or administrative body has ever been denied. *Id*. ¶ 4.

9. No sanctions or contempt citations have ever been imposed against Mr. Lowenstein by any court or administrative body. *Id*. ¶ 5.

10. Mr. Lowenstein has read and will comply with the Office Patent Trial Practice Guide and the Board's Rules of Practice for Trials set forth in part 42 of 37 C.F.R. Ex. 2011 ¶ 6.

11. Mr. Lowenstein understands that he will be subject to the U.S.P.T.O. Rules of Professional Conduct set forth in 37 C.F.R. §§ 11.101 *et seq*. and disciplinary jurisdiction under 37 C.F.R. § 11.19(a). Ex. 2011 ¶ 7.

12. Mr. Lowenstein has previously been admitted to appear, *pro hac vice*, in the following matters before the U.S.P.T.O.:

- *Comcast Cable Communications, LLC v. Entropic Communications, LLC* (IPR2024-00432, -00433, -00434, -00435, -00436, -00437, -00438, -00439, -00440, -00446, -00452).

- *DISH Network LLC v. Entropic Communications LLC* (IPR2024-00462).
- *Google LLC v. Security First Innovations LLC* (IPR2024-00214, -00215).
- *T-Mobile USA, Inc. et al. v. Cobblestone Wireless, LLC* (IPR2024-00136).
- *Hewlett Packard Enterprise Company* and *Cisco Systems, Inc., v. Cobblestone Wireless LLC* (IPR2024-00707).
- *Samsung Electronics America, Inc., Samsung Electronics Co., Ltd. v. Cobblestone Wireless LLC* (IPR2024-00319, -00606).
- *Edwards Lifesciences Corp. et al. v. Aortic Innovations LLC* (IPR2023-01151, -01232, -01325).
- *Samsung Elecs. Co., Ltd. et al. v. Smart Mobile Techs., LLC* (IPR2022-01248).
- *Apple, Inc. v. Smart Mobile Techs. LLC* (IPR2022-00807).
- *Edwards Lifesciences Corp. et al. v. Aortic Innovations, LLC* (IPR2022-00556).
- *Google LLC v. Neonode Smartphone LLC* (IPR2021-01041).
- *Hulu, LLC v. DivX LLC* (IPR2021-01418, -01419).
- *Patent Quality Assurance, LLC v. VLSI Tech. LLC* (IPR2021-01229).

- *Samsung Elecs. Co., Ltd. et al. v. Neonode Smartphone LLC* (IPR2021-00144).
- *Edwards Lifesciences Corp. et al. v. Aortic Innovations, LLC* (IPR2021-01527, -01584; IPR2022-00034, -00193).
- *Samsung Elecs. Co., Ltd. et al. v. Smart Mobile Techs., LLC* (IPR2022-01248).
- *Apple, Inc. v. Smart Mobile Techs. LLC* (IPR2022-00807).
- *Edwards Lifesciences Corp. et al. v. Aortic Innovations, LLC* (IPR2022-00556).
- *Google LLC v. Neonode Smartphone LLC* (IPR2021-01041).
- *Hulu, LLC v. DivX LLC* (IPR2021-01418, -01419).
- *Patent Quality Assurance, LLC v. VLSI Tech. LLC* (IPR2021-01229).
- *Samsung Elecs. Co., Ltd. et al. v. Neonode Smartphone LLC* (IPR2021-00144).
- *Edwards Lifesciences Corp. et al. v. Aortic Innovations, LLC* (IPR2021-001527, -01584; IPR2022-00034, -00193).
- *OpenSky Industries, LLC v. VLSI Technology LLC* (IPR2021-01056, -01064).
- *Cohesity, Inc. v. Commvault Systems, Inc.* (IPR2021-00934, -00935).
- *Netflix Inc. et al. v. DivX, LLC* (IPR2020-00558, -00614, -00646).

- *DISH Network LLC et al. v. Sound View Innovations, LLC* (IPR2020-01041).
- *Apple Inc. v. SEVEN Networks, LLC* (IPR2020-00236, -00255, -00280, -00281, -00285, -00506, -00507, -00584).
- *Intel Corp. v. VLSI Tech. LLC* (IPR2020-00106, -00112, -00113, -00114, -00141, -00142, -00158, -00498, -00526, -00527, -00582, -00583).
- *Intel Corp. v. VLSI Tech. LLC* (IPR2019-01192, -01197, -01198, -01199, -01200).
- *Unified Patents Inc. v. DivX, LLC* (IPR2019-01379).
- *ZTE (USA), Inc. v. SEVEN Networks, LLC* (IPR2019-00412, -00460, -00461).
- *Samsung Elecs. Co., Ltd. v. SEVEN Networks, LLC* (IPR2018-01106, -01108, -01124, -01125).
- *Google LLC v. SEVEN Networks, LLC* (IPR2018-01047 through -01052, -01101, -01116 through -01118).
- *Intel Corp. v. VLSI Tech. LLC* (IPR2018-01033, -01038, -01040, -01105, -01107, -01144).
- *Unified Patents Inc. v. Sound View Innovations, LLC* (IPR2018-00096, -00599).

- *Hulu, LLC v. Sound View Innovations, LLC* (IPR2018-00017, -00366, -00582, -00864, -01023, -01039).
- *Facebook, Inc. v. Sound View Innovations, LLC* (IPR2017-00985, -00986, -00998, -01002 through -01006).
- *Intel Corp. v. Future Link Sys., LLC* (IPR2016-01398, -01401, -01402).
- *Kingston Tech. Co. v. Polaris Innovations, Ltd.* (IPR2016-01621 through -01623, IPR2017-00114, -00116).
- *Compass Bank v. Maxim Integrated Prods., Inc.* (CBM2015-00098, -00101, -00102).
- *Microsoft Corp. v. IpLearn-Focus, LLC* (IPR2015-00095, -00097).

Ex. 2011 ¶ 11.

13. Mr. Lowenstein has previously applied for admission, *pro hac vice*, in the following matters before the U.S.P.T.O. which were terminated before the application was granted:

- *DISH Network LLC v. Entropic Communications LLC* (IPR2024-00560).
- *Edwards Lifesciences Corp. et al. v. Aortic Innovations LLC* (IPR2022-00549).
- *Patent Quality Assurance, LLC v. VLSI Tech. LLC* (IPR2022-00480).

- *OpenSky Indus., LLC v. VLSI Tech. LLC* (IPR2022-00645).
- *Rubrik Inc. v. Commvault Systems, Inc.* (IPR2021-00535, -00589, -00590)
- *Apple, Inc. v. IXI IP, LLC* (IPR2019-00124, -00125, -00139, -00140, -00141, -00181).
- *Samsung Elecs. Co., Ltd. v. SEVEN Networks, LLC* (IPR2018-01120, -01122, -01126, -01127).
- *Kingston Tech. Co. v. Polaris Innovations, Ltd.* (IPR2017-00238).
- *Intel Corp. v. Future Link Sys., LLC* (IPR2016-01400).

Ex. 2011 ¶ 12.

14. Mr. Lowenstein is concurrently applying for *pro hac vice* admission in the following matters:

- NVIDIA Corporation v. Neural AI, LLC (IPR2024-00606, -00608).

Id. ¶ 13.

15. Other than the matters identified in ¶¶ 12-14, *supra*, Mr. Lowenstein has not applied to appear *pro hac vice* in any other proceedings before the U.S.P.T.O. in the last three years.

IV. CONCLUSION

Upon being deemed admitted *pro hac vice* under 37 C.F.R. § 42.10(2)(iii), Patent Owner will file updated mandatory notices accordingly. And Mr. Lowenstein will keep the Board informed of sanctions, changes to good standing at a bar, or any other event that renders materially inaccurate or incomplete any representation that he made to the Board in connection with this request for *pro hac vice* notice. Ex. 2001 ¶ 16.

Respectfully submitted,

/ Kenneth J. Weatherwax /
Kenneth J. Weatherwax, Reg. No. 54,528
LOWENSTEIN & WEATHERWAX LLP

Date: May 8, 2025

CERTIFICATE OF SERVICE

The undersigned hereby certifies that the following documents were served by electronic service, by agreement between the parties, on the date signed below:

PATENT OWNER ENTROPIC COMMUNICATIONS LLC'S NOTICE OF INTENT TO DESIGNATE PROVISIONALLY RECOGNIZED PTAB ATTORNEY NATHAN NOBU LOWENSTEIN AS BACKUP COUNSEL UNDER 37 C.F.R. § 42.10(c)

EXHIBIT 2011

The names and address of the parties being served are as follows:

Frederic M. Meeker	fmeeker@bannerwitcoff.com
Craig W. Kronenthal	ckronenthal@bannerwitcoff.com
H. Wayne Porter	wporter@bannerwitcoff.com
Paul T. Qualey	pqualey@bannerwitcoff.com
Joshua L. Davenport	jdavenport@bannerwitcoff.com
	ComcastIPRService@bannerwitcoff.com

Respectfully submitted,

/ Kenneth Wang /

Date: May 8, 2025