

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

MARVELL SEMICONDUCTOR, INC.,
Petitioner,

v.

CREDO TECHNOLOGY GROUP LTD.,
Patent Owner.

IPR2025-01218 (Patent 10,877,233 B1)
IPR2025-01219 (Patent 11,012,252 B2)

Before HUNG H. BUI, GEORGE R. HOSKINS, and
DANIEL J. GALLIGAN, *Administrative Patent Judges*.

HOSKINS, *Administrative Patent Judge*.

SCHEDULING ORDER
37 C.F.R. § 42.5

IPR2025-01218 (Patent 10,877,233 B1)

IPR2025-01219 (Patent 11,012,252 B2)

A. GENERAL INSTRUCTIONS

1. Initial and Additional Conference Calls

The parties are directed to contact the Board within one month of this Order if there is a need to discuss proposed changes to this Order or proposed motions that have not been authorized in this Order or other prior Order or Notice. *See Consolidated Trial Practice Guide (Nov. 2019) (“Consolidated Practice Guide”)*¹, 9–10, 65. A request for an initial conference call must include a list of proposed motions, if any, to be discussed during the call.

The parties may request additional conference calls as needed. Any email requesting a conference call with the Board should: (a) copy all parties, (b) indicate generally the relief being requested or the subject matter of the conference call, (c) include multiple times when all parties are available, (d) state whether the opposing party opposes any relief requested, and (e) if opposed, either certify that the parties have met and conferred telephonically or in person to attempt to reach agreement, or explain why such meet and confer did not occur. The email may not contain substantive argument and, unless otherwise authorized, may not include attachments. *See Consolidated Practice Guide*, 9–10.

2. Related Matter Updates

The parties must keep the Board apprised of developments regarding adjudication of validity or patentability of the challenged patent claims, or substantially similar patent claims, such as claim construction, findings of fact, or conclusions of law, in “any other judicial or administrative matter

¹ Available at <https://www.uspto.gov/TrialPracticeGuideConsolidated>.

IPR2025-01218 (Patent 10,877,233 B1)

IPR2025-01219 (Patent 11,012,252 B2)

that would affect, or be affected by, a decision in the proceeding” and is identified as a related matter under 37 C.F.R. § 42.8(b)(2). The parties must alert the Board to any such developments within five business days, by sending an email to Trials@uspto.gov, and file in the docket of these proceedings relevant materials from the related matter(s).

3. Protective Order

No protective order shall apply to these proceedings until the Board enters one. If either party files a motion to seal before entry of a protective order, a jointly proposed protective order shall be filed as an exhibit with the motion. It is the responsibility of the party whose confidential information is at issue, not necessarily the proffering party, to file the motion to seal.² The Board encourages the parties to adopt the Board’s default protective order if they conclude that a protective order is necessary. *See Consolidated Practice Guide, App’x B (Protective Order Guidelines and Default Protective Order)*. If the parties choose to propose a protective order deviating from the default protective order, they must submit the proposed protective order jointly along with a marked-up comparison of the proposed and default protective orders showing the differences between the two and explain why good cause exists to deviate from the default protective order.

The Board has a strong interest in the public availability of trial proceedings. Redactions to documents filed in these proceedings should be limited to the minimum amount necessary to protect confidential information, and the thrust of the underlying argument or evidence must be clearly discernible from the redacted versions. We also advise the parties

² If the entity whose confidential information is at issue is not a party to the proceeding, please contact the Board.

IPR2025-01218 (Patent 10,877,233 B1)

IPR2025-01219 (Patent 11,012,252 B2)

that information subject to a protective order may become public if identified in a final written decision, and that a motion to expunge the information will not necessarily prevail over the public interest in maintaining a complete and understandable file history. *See Consolidated Practice Guide*, 19–22.

4. Discovery Disputes

The Board encourages the parties to resolve disputes relating to discovery on their own. To the extent that a dispute arises between the parties relating to discovery, the parties must meet and confer to resolve such a dispute before contacting the Board. If attempts to resolve the dispute fail, a party may request a conference call with the Board and the other party in order to seek authorization to move for relief.

In any request for a conference call with the Board to resolve a discovery dispute, the requesting party shall: (a) certify that it has conferred with the other party in an effort to resolve the dispute; (b) identify with specificity the issues for which agreement has not been reached; (c) identify the precise relief to be sought; and (d) propose specific dates and times at which both parties are available for the conference call.

5. Testimony

The parties are reminded that the Testimony Guidelines appended to the Consolidated Practice Guide, Appendix D, apply to these proceedings. The Board may impose an appropriate sanction for failure to adhere to the Testimony Guidelines. 37 C.F.R. § 42.12. For example, reasonable expenses and attorneys' fees incurred by any party may be levied on a person who impedes, delays, or frustrates the fair examination of a witness.

IPR2025-01218 (Patent 10,877,233 B1)
IPR2025-01219 (Patent 11,012,252 B2)

Whenever a party submits a deposition transcript as an exhibit in these proceedings, the submitting party shall file the full transcript of the deposition rather than excerpts of only those portions being cited. After a deposition transcript has been submitted as an exhibit, all parties who subsequently cite to portions of the transcript shall cite to the first-filed exhibit rather than submitting another copy of the same transcript.

6. Cross-Examination

Except as the parties might otherwise agree, for each due date:

- a. Cross-examination ordinarily takes place after any supplemental evidence is due. 37 C.F.R. § 42.53(d)(2).
- b. Cross-examination ordinarily ends no later than a week before the filing date for any paper in which the cross-examination testimony is expected to be used. *Id.*

7. Motion to Amend

Patent Owner may file a motion to amend without prior authorization from the Board. Nevertheless, Patent Owner must confer with the Board before filing such a motion. 37 C.F.R. § 42.121(a). To satisfy this requirement, Patent Owner should request a conference call with the Board no later than two weeks prior to DUE DATE 1. *See* Section B below regarding DUE DATES.

Any motion to amend and briefing related to such a motion shall comply with the rules pertaining to motions to amend (37 C.F.R. § 42.121) and the practices and procedures described in *Lectrosonics, Inc. v. Zaxcom, Inc.*, IPR2018-01129, Paper 15 (PTAB Feb. 25, 2019) (precedential).

Patent Owner has the option to receive preliminary guidance from the Board on its motion to amend. *See* 37 C.F.R. § 42.121(e). If Patent Owner

IPR2025-01218 (Patent 10,877,233 B1)

IPR2025-01219 (Patent 11,012,252 B2)

elects to request preliminary guidance from the Board on its motion, it must do so in its motion to amend filed on DUE DATE 1. *Id.* § 42.121(a)(1)(ii).

At DUE DATE 3, Patent Owner may file a reply to the opposition to the motion to amend and/or the preliminary guidance. *See* 37 C.F.R.

§ 42.121(e)(3). In lieu of a reply, Patent Owner has the option to file a revised motion to amend that addresses the issues raised in the preliminary guidance or in petitioner's opposition to the motion to amend. *Id.*

§ 42.121(f)(1)–(2). Patent Owner may elect to file a revised motion to amend even if Patent Owner did not request to receive preliminary guidance on its motion to amend. A revised motion to amend must include one or more new proposed substitute claims in place of the previously presented substitute claims, where each new proposed substitute claim presents a claim amendment. *See id.*

If Patent Owner files a revised motion to amend, the Board may determine whether to request the Chief Administrative Patent Judge to extend the final written decision deadline more than one year from the date a trial is instituted in accordance with 37 C.F.R. § 42.100(c) and whether to extend any remaining deadlines under 37 C.F.R. § 42.5(c)(2). *Id.*

§ 42.121(f)(1). Typically the Board will enter a revised scheduling order setting the briefing schedule for the revised motion and adjusting other due dates as needed.

At DUE DATE 5, Petitioner may file a sur-reply that is limited to responding to the preliminary guidance and/or arguments made in the patent owner's reply brief. *See* 37 C.F.R. § 42.121(e)(3). The sur-reply may not be accompanied by new evidence, but may comment on any new evidence filed

IPR2025-01218 (Patent 10,877,233 B1)

IPR2025-01219 (Patent 11,012,252 B2)

with the reply and/or point to cross-examination testimony of a reply witness, if relevant to the arguments made in the reply brief. *See id.*

If the Board issues preliminary guidance on the motion to amend, and Patent Owner files neither a reply to the opposition to the motion to amend nor a revised motion to amend at DUE DATE 3, Petitioner may file a reply to the Board's preliminary guidance, no later than three (3) weeks after DUE DATE 3 or at any other DUE DATE that the Board specifies in a revised scheduling order. The reply may only respond to the preliminary guidance and may not be accompanied by new evidence. *See 37 C.F.R. § 42.121(e)(4).* Patent Owner may file a sur-reply in response to Petitioner's reply to the Board's preliminary guidance. *See id.* The sur-reply may only respond to petitioner's reply and may not be accompanied by new evidence. *See id.* The sur-reply must be filed no later than three (3) weeks after Petitioner's reply or at any other DUE DATE that the Board specifies in a revised scheduling order.

In the event the Board requests examination assistance pursuant to 37 C.F.R. § 42.121(d)(3)(ii), the parties will be notified of the request and the Board may adjust the scheduling order as needed.

8. Pre-Hearing Conference

The Board will hold a pre-hearing conference call with both parties at DUE DATE 6. The purpose of the pre-hearing conference is for the Board panel to provide guidance as to particular issues that the panel would like the parties to address at the oral hearing, for example, claim construction issues, reason to combine prior art teachings, or objective indicia of nonobviousness. The pre-hearing conference also provides the parties the opportunity to identify (but not argue) any issues the parties would like to

IPR2025-01218 (Patent 10,877,233 B1)

IPR2025-01219 (Patent 11,012,252 B2)

address at the oral hearing. The parties may also discuss with the Board any pending motions, request an early decision on the admissibility of a limited number of exhibits subject to a motion to exclude, and discuss any unresolved issues with demonstrative exhibits.

9. Oral Argument

Requests for oral argument must comply with 37 C.F.R. § 42.70(a). To permit the Board sufficient time to schedule the oral argument, the parties may not stipulate to an extension of the request for oral argument beyond DUE DATE 4 below.

All oral arguments will be held in person, and both parties are expected to be physically present, absent a showing of good cause. Good cause will generally be limited to circumstances such as financial hardship, medical emergencies, or other comparable obstacles to in-person attendance. Approval for virtual appearance is determined on a party-by-party basis. An approved request for one party does not constitute good cause for others; each party must independently demonstrate good cause.

The parties may request that the oral argument be held at the USPTO headquarters in Alexandria, Virginia; or at the Detroit, Michigan, USPTO Regional Office; or at the Dallas, Texas, USPTO Regional Office. The parties should state in their requests for oral argument, DUE DATE 4, (1) which of the locations named above the parties would prefer or (2) whether good cause exists for a party to appear virtually. If the parties disagree, they should meet and confer; if the dispute cannot be resolved by meeting and conferring, then the parties should inform the Board of each party's individual preferences.

IPR2025-01218 (Patent 10,877,233 B1)

IPR2025-01219 (Patent 11,012,252 B2)

Note that the Board may not be able to honor the parties' preferences due to, among other things, the availability of hearing room resources, the needs of the panel, and USPTO policy at the time of the hearing. The Board will consider the parties' request and notify the parties of how and where the hearing will be conducted.

For in-person hearings, seating in the Board's hearing rooms may be limited, and will be available on a first-come, first-served basis. If either party anticipates that more than five (5) individuals will attend the argument on its behalf, the party should notify the Board as soon as possible, and no later than the request for oral argument. Parties should note that the earlier a request for accommodation is made, the more likely the Board will be able to accommodate additional individuals.

The Board has established the "Legal Experience and Advancement Program," or "LEAP," to encourage advocates before the Board to develop their skills and to aid in succession planning for the next generation. The Board defines a LEAP practitioner as a patent agent or attorney having three (3) or fewer substantive oral arguments in any federal tribunal, including PTAB. Parties are encouraged to participate in the Board's LEAP program.³ The Board will grant up to fifteen (15) minutes of additional argument time to that party, depending on the length of the proceeding and the PTAB's hearing schedule. A party should submit a request, no later than

³ Information about the LEAP program can be found at www.uspto.gov/leap.

IPR2025-01218 (Patent 10,877,233 B1)

IPR2025-01219 (Patent 11,012,252 B2)

at least five (5) business days before the oral hearing, by email to the Board at PTABHearings@uspto.gov.⁴

All practitioners appearing before the Board shall demonstrate the highest professional standards. All practitioners are expected to have a command of the factual record, the applicable law, and Board procedures, as well as the authority to commit the party they represent. The Board discerns that it is often LEAP practitioners who have the best understanding of the facts of the case and the evidence of record, and the Board encourages their participation.

B. DUE DATES

This Order sets due dates for the parties to take action. The parties may stipulate to different dates for DUE DATES 1, 5, and 7, as well as the portion of DUE DATE 2 related to Petitioner's reply (earlier or later, but no later than DUE DATE 3 for Patent Owner's sur-reply) and the portion of DUE DATE 3 related to Patent Owner's sur-reply (earlier or later, but no later than DUE DATE 8). The parties may not stipulate to a different date for the portion of DUE DATE 2 related to Petitioner's opposition to a motion to amend, or for the portion of DUE DATE 3 related to Patent Owner's reply to an opposition to a motion to amend (or Patent Owner's revised motion to amend) without prior authorization from the Board. In stipulating to move any due dates in this Order, the parties must be cognizant that the Board requires four weeks after the filing of an opposition

⁴ Additionally, a LEAP Verification Form shall be submitted by the LEAP practitioner, confirming eligibility for the program. A combined LEAP Practitioner Request for Oral Hearing Participation and Verification Form is available at www.uspto.gov/leap.

IPR2025-01218 (Patent 10,877,233 B1)

IPR2025-01219 (Patent 11,012,252 B2)

to the motion to amend (or the due date for the opposition, if none is filed) for the Board to issue its preliminary guidance, if requested by Patent Owner. A notice of the stipulation, specifically identifying the changed due dates, must be promptly filed. The parties may not stipulate an extension of DUE DATES 4, 6, 8, and 9.

In stipulating different times, the parties should consider the effect of the stipulation on times to object to evidence (37 C.F.R. § 42.64(b)(1)), to supplement evidence (§ 42.64(b)(2)), to conduct cross-examination (§ 42.53(d)(2)), and to draft papers depending on the evidence and cross-examination testimony.

1. DUE DATE 1

Patent Owner may file—

a. A response to the petition (37 C.F.R. § 42.120). If Patent Owner elects not to file a response, Patent Owner must arrange a conference call with the parties and the Board. Patent Owner is cautioned that any arguments not raised in the response may be deemed waived.

b. A motion to amend the patent (37 C.F.R. § 42.121) after conferring with the Board under 37 C.F.R. § 42.121(a).

2. DUE DATE 2

Petitioner may file a reply to the Patent Owner's response.

Petitioner may file an opposition to the motion to amend.

3. DUE DATE 3

Patent Owner may file a sur-reply to Petitioner's reply.

Patent Owner may also file either:

a. a reply to the opposition to the motion to amend and/or preliminary guidance (if provided); or

IPR2025-01218 (Patent 10,877,233 B1)

IPR2025-01219 (Patent 11,012,252 B2)

b. a revised motion to amend.

NOTE: If Patent Owner files neither of the above papers (a reply to the opposition or a revised motion to amend), and the Board has issued preliminary guidance, Petitioner may file a reply to the preliminary guidance, no later than three (3) weeks after DUE DATE 3. Patent Owner may file a sur-reply to Petitioner's reply to the preliminary guidance no later than three (3) weeks after Petitioner's reply.

4. DUE DATE 4

Either party may file a request for oral argument (may not be extended by stipulation).

A party seeking to appear virtually at the oral hearing must submit a request and include a showing of good cause. Approval for one party to appear virtually does not establish good cause for other parties; each party must make a separate showing. The Board may consider untimely requests where the circumstances giving rise to request could not have been reasonably anticipated.

5. DUE DATE 5

Petitioner may file a sur-reply to Patent Owner's reply to the opposition to the motion to amend.

Either party may file a motion to exclude evidence (37 C.F.R. § 42.64(c)).

6. DUE DATE 6

The parties will have a pre-hearing conference with the Board panel.

7. DUE DATE 7

Either party may file an opposition to a motion to exclude evidence.

IPR2025-01218 (Patent 10,877,233 B1)

IPR2025-01219 (Patent 11,012,252 B2)

8. DUE DATE 8

Either party may file a reply to an opposition to a motion to exclude evidence.

9. DUE DATE 9

The oral argument (if requested by either party) shall be held on this date.

IPR2025-01218 (Patent 10,877,233 B1)
IPR2025-01219 (Patent 11,012,252 B2)

DUE DATE APPENDIX

DUE DATE 1	May 1, 2026
Patent Owner's response to the petition	
Patent Owner's motion to amend the patent	
DUE DATE 2	July 24, 2026
Petitioner's reply to Patent Owner's response to petition	
Petitioner's opposition to motion to amend	
DUE DATE 3	September 4, 2026
Patent Owner's sur-reply to reply	
Patent Owner's reply to opposition to motion to amend (or Patent Owner's revised motion to amend) ⁵	
DUE DATE 4	September 25, 2026
Request for oral argument (may not be extended by stipulation)	
DUE DATE 5	October 16, 2026
Petitioner's sur-reply to reply to opposition to motion to amend	
Motion to exclude evidence	
DUE DATE 6	October 23, 2026
Pre-hearing conference with Board panel	
DUE DATE 7	October 23, 2026
Opposition to motion to exclude	
DUE DATE 8	October 30, 2026
Reply to opposition to motion to exclude	
DUE DATE 9	Tuesday, November 10, 2026
Oral argument (if requested)	

⁵ If Patent Owner files neither a reply to Petitioner's opposition to the MTA nor a revised MTA, the parties are directed to Section B(3) above.

IPR2025-01218 (Patent 10,877,233 B1)

IPR2025-01219 (Patent 11,012,252 B2)

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