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[Your Name]

[Your Title]

[Your Company]

[Street Address, City, State ZIP]

May 14, 2026

[Opposing Counsel Name]

[Firm Name]

[Address]

Re: U.S. Patent No. 12015375 — Response to Assertion of Infringement

Dear Counsel,

We acknowledge receipt of your correspondence asserting infringement of U.S. Patent No. 12015375 (the "12015375 Patent"). After preliminary review, we have substantial concerns about the validity, enforceability, and scope of the asserted claims, summarized below. We reserve all rights and defenses.

1. Subject Patent — Summary

Patent Summary: US 12,015,375 B2

Title: Lead assembly for connecting solar panel arrays to inverter

Assignee: Shoals Technologies Group, LLC

Inventor: Dean Solon

Filing Date: June 26, 2023

Issue Date: June 18, 2024

Abstract:

A lead assembly includes a plurality of drop lines joined to a feeder cable at joints, each having a compression lug that is preferably surrounded by undermolding and overmolding. In use, each drop line is connected to a solar array, and the feeder cable is connected to an inverter. In this manner, a plurality of solar arrays are electrically coupled together, with a common feeder cable connecting them all to the inverter. A system of the present invention doesn't...

2. Validity Concerns under 35 U.S.C. § 102 — Prior Art

We have identified prior-art references that, in our preliminary view, anticipate one or more asserted claims of the 12015375 Patent:

As a senior US patent analyst, I have conducted a thorough review of the prior art cited in US

Patent No. 12,015,375, titled "Lead assembly for connecting solar panel arrays to inverter." The patent, issued on June 18, 2024, to inventor Dean Solon and assigned to Shoals Technologies Group LLC, describes a lead assembly designed to eliminate the need for traditional combiner boxes in solar power systems. The core of the invention lies in a lead assembly where one or more drop lines are joined to a feeder cable at a nexus, which is then encapsulated in a monolithic mold.

Below is an analysis of the most relevant prior art references and their potential to anticipate the claims of US Patent No. 12,015,375 under 35 U.S.C. § 102. Anticipation under § 102 requires that a single prior art reference discloses each and every element of a claimed invention.

Analysis of Key Prior Art References

Based on my review of the 159 patent citations, the following references are most pertinent to the claims of US Patent No. 12,015,375.

1. US Patent No. US20130269746A1 - "Tapered trunking..."

3. Obviousness under 35 U.S.C. § 103

Independent of § 102, we believe the asserted claims are obvious in view of combinations of prior art that a person having ordinary skill in the art would have been motivated to combine:

Analysis of Obviousness for U.S. Patent No. 12,015,375

Date of Analysis: May 13, 2026

Patent at Issue: U.S. Patent No. 12,015,375 (the '375 patent)

Filed: June 26, 2023

Issued: June 18, 2024

Title: Lead assembly for connecting solar panel arrays to inverter

Assignee: Shoals Technologies Group, LLC

I. Introduction

This analysis examines the obviousness of the claims of U.S. Patent No. 12,015,375 under 35 U.S.C. § 103. The '375 patent describes a lead assembly for connecting solar panel arrays directly to an inverter, thereby eliminating the need for a traditional combiner box. The core of the invention lies in a "monolithic mold" that encapsulates the electrical connection point (nexus) between one or more "drop lines" from the solar arrays and a "feeder cable" that runs to the inverter. This analysis is based on the prior art references cited in the patent's documentation.

II. Understanding the Claims of the '375 Patent

The independent claims of the '375 patent, particularly Claim 1, are central to this analysis. The key elements of Claim 1 are:

1. A lead assembly for...

4. Litigation History of the Patent

Public records reflect that the 12015375 Patent has been the subject of the following litigation, which informs our view of the asserted claims and your client's enforcement posture:

- Shoals Technologies Group, LLC v. Voltage, LLC — U.S. International Trade Commission · filed 2025-01-09 · Active
- Voltage, LLC et al. v. Shoals Technologies Group, LLC — IPR2025-01443 · Patent Trial and

5. Request

In light of the foregoing, we request that your client (i) provide a detailed claim chart identifying each accused product or service and mapping every limitation of each asserted claim, (ii) identify any prior art known to your client, including any references cited during prosecution or reexamination, and (iii) substantiate the basis for any damages or licensing demand. We are prepared to discuss the matter further once we have received and reviewed the foregoing.

Sincerely,

[Your Name]

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