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[Your Name]

[Your Title]

[Your Company]

[Street Address, City, State ZIP]

June 1, 2026

[Opposing Counsel Name]

[Firm Name]

[Address]

**Re: U.S. Patent No. 8515637 — Response to Assertion of Infringement**

Dear Counsel,

We acknowledge receipt of your correspondence asserting infringement of U.S. Patent No. 8515637 (the "8515637 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**

Here is a concise summary of US patent 8515637:

US Patent 8515637: Machine control system and method

- Title: Machine control system and method
- Assignee: Caterpillar Inc.
- Inventors: Randall T. Anderson, Corwin E. Storer
- Filing Date: 2010-12-23
- Issue Date: 2013-08-20
- Abstract: A machine control system includes an input receiving portion configured to receive torque inputs related to a hydrostatic transmission. The input receiving portion also receives an operator request for actuating the hydrostatic transmission. The machine control system additionally includes a processor configured to determine a factor based at least in part on the torque inputs, for adjusting the operator...

## **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 8515637 Patent:

To determine the most relevant prior art for US patent 8515637, we will examine the "Citations"

section of the patent, which lists the references cited by the examiner. For each citation, I'll provide the requested details and an assessment of its potential to anticipate the claims under 35 U.S.C. § 102. A reference anticipates a claim if it discloses every element of the claim, either expressly or inherently, in a single prior art document.

Here's an analysis of the patent citations for US8515637:

Patent Citations:

- US4107776A

Full Citation: US4107776A, Vehicle power transmission arrangements and electronic power controls.

Publication Date: 1978-08-15

Filing Date: 1975-10-23

Description: This patent describes vehicle power transmission arrangements and electronic power controls.

Potential Anticipation (35 U.S.C. § 102): This reference broadly covers vehicle power transmissions and electronic controls. Depending on the specificity of its disclosure regarding hydrostatic transmissions, torque inputs, operator requests, and adjusted commands, it could potentially anticipate...

### **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:

Obviousness Analysis of US Patent 8515637 Under 35 U.S.C. § 103

This analysis assesses the obviousness of US patent 8515637 under 35 U.S.C. § 103, considering combinations of prior art references identified as highly relevant in the preceding "Prior Art" section. A person having ordinary skill in the art (POSITA) in the field of machine control systems, particularly for heavy machinery with hydrostatic transmissions, would have been motivated to combine these references to achieve predictable results, such as improved torque load management, enhanced machine stability, and prevention of engine stalling.

The core inventive concept of US8515637, as articulated in its independent claims (Claims 1, 12, and 17), revolves around a machine control system and method for hydrostatic transmissions that adjusts operator requests using a factor derived from torque inputs, thereby ensuring the torque load on the power source remains within a desired range. This system often incorporates elements like torque load limits, actual torque, torque error, and filtering with a filter factor....

### **4. 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]

**DISCLAIMER.** This document is a machine-generated sample. The factual assertions, prior-art citations, and legal arguments above are AI-produced and may contain errors, omissions, or outdated information. Do not transmit this letter, in whole or in part, to any party. This is not legal advice; no attorney-client relationship is created by its existence. Consult a licensed patent attorney before responding to any patent-infringement assertion.

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