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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. 10059341 — Response to Assertion of Infringement

Dear Counsel,

We acknowledge receipt of your correspondence asserting infringement of U.S. Patent No. 10059341 (the "10059341 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's a concise summary of US Patent 10,059,341:

- Title: Control strategy for reduced fuel consumption in machine and powertrain system with same
- Assignee: Caterpillar Inc.
- Inventors: Jeremy Sharp, Suman Goli, Mark Rettig
- Filing Date: 2016-06-17
- Issue Date: 2018-08-28
- Abstract: A control system for a powertrain includes an electronic control unit (ECU) that receives ground speed and engine load data. The ECU determines engine speed and transmission torque commands based on an engine speed limit and a torque scale factor, both of which can vary with ground speed and load factor. These commands result in an "economy powertrain output" that is less than the operator's requested...

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 10059341 Patent:

To identify the most relevant prior art for US patent 10059341, I will examine the "Citations"

section of the patent document. Prior art generally includes any public disclosure of an invention that existed before the effective filing date of the claimed invention (June 17, 2016, for US10059341B2). These disclosures can be other patents, printed publications, or products already on the market.

Here are the prior art references cited in US Patent 10,059,341, along with their publication/filing dates, brief descriptions, and potential claims they may anticipate under 35 U.S.C. § 102. The focus will be on references directly cited within the patent.

Most Relevant Prior Art for US Patent 10,059,341

The following patents are cited as prior art in US10059341B2:

1. US5413540A

Full Citation: US5413540A - Torque-setting system for vehicle with continuously variable transmission (CVT)

Publication Date: 1995-05-09 (Filing Date: 1992-07-21)

Brief Description: This patent describes a torque-setting system for a vehicle with a continuously variable transmission (CVT). It focuses on...

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 10,059,341 under 35 U.S.C. § 103

This analysis will focus on Independent Claim 1 of US Patent 10,059,341, as it is the broadest claim. The objective is to identify combinations of prior art references that would render the claim obvious and explain the motivation a person having ordinary skill in the art (PHOSITA) would have to combine them.

Independent Claim 1 Recitation:

"A control system for a powertrain in a machine comprising:

a first sensing mechanism structured to monitor a ground speed of the machine;

a second sensing mechanism structured to monitor an engine load of an engine in the powertrain;

an input device structured to produce an operator input signal indicative of a requested powertrain output; and

an electronic control unit structured to output an engine speed command for an engine in the powertrain and a torque command for a torque control mechanism of a variable-torque transmission in the powertrain,

wherein the electronic control unit is in communication with each of the first sensing mechanism, the second sensing mechanism, and...

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]

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