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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. 8320575 — Response to Assertion of Infringement

Dear Counsel,

We acknowledge receipt of your correspondence asserting infringement of U.S. Patent No. 8320575 (the "8320575 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

A concise summary of US Patent 8,320,575 is as follows:

Title: Efficient audio signal processing in the sub-band regime

Assignee: Cerence Operating Co.

Inventors: Gerhard Uwe Schmidt, Hans-Jörg Köpf, Günther Wirsching

Filing Date: September 30, 2008

Issue Date: November 27, 2012

Abstract:

A signal processing system enhances an audio signal. The audio signal is divided into audio sub-band signals. Some audio sub-band signals are excised. Other audio sub-band signals are processed to obtain enhanced audio sub-band signals. At least a portion of the excised audio sub-band signals are reconstructed. The reconstructed audio sub-band signals are synthesized with the enhanced audio sub-band...

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 8320575 Patent:

Analysis of Relevant Prior Art for US Patent 8,320,575

The following analysis details the most relevant prior art cited during the prosecution of US Patent 8,320,575. For a reference to anticipate a claim under 35 U.S.C. § 102, it must disclose, either expressly or inherently, every element of that claim. The analysis below focuses on potential anticipation of the independent claims, particularly claim 1 and claim 10, which form the broadest basis of the invention. The filing date for US 8,320,575 is September 30, 2008, with a priority date of October 1, 2007. Any prior art must predate this priority date.

1. US Patent 5,272,695 A: "Subband echo canceller with adjustable coefficients using a series of step sizes"

- Full Citation: US Patent 5,272,695 A, filed by Nippon Telegraph And Telephone Corporation.
- Publication/Filing Date: Filed September 14, 1990; Published December 21, 1993.
- Brief Description: This patent describes an echo canceller that operates in the sub-band domain. An input signal is divided into multiple frequency sub-band signals by a filter bank. Adaptive...

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 8,320,575 under 35 U.S.C. § 103

This analysis examines the obviousness of the independent claims of US Patent 8,320,575 in light of prior art available before its priority date of October 1, 2007. A claim is considered obvious if the differences between the claimed invention and the prior art are such that the subject matter as a whole would have been obvious to a Person Having Ordinary Skill in the Art (PHOSITA).

A PHOSITA in the field of audio signal processing circa 2007 would typically have a master's degree in electrical engineering or a related field, along with several years of experience in digital signal processing (DSP), particularly in audio applications like echo cancellation and noise suppression. Such a person would be familiar with frequency-domain processing techniques like the Fast Fourier Transform (FFT), filter banks, and the trade-offs between computational complexity and signal quality.

Analysis of Independent Claim 1

Claim 1: A method for audio signal processing, comprising:

1. dividing an audio signal into audio...

4. Litigation History of the Patent

Public records reflect that the 8320575 Patent has been the subject of the following litigation, which informs our view of the asserted claims and your client's enforcement posture:

- Cerence Operating Company v. Amazon.com, Inc. et al. — 2:26-cv-00372 · U.S. District Court for the Eastern District of Texas · filed 2026-05-03 · Active

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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