

**UNITED STATES PATENT AND TRADEMARK OFFICE**

---

**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

---

Comcast Cable Communications, LLC  
Petitioner

v.

Promptu Systems Corporation  
Patent Owner

---

Patent No. 7,047,196

---

**DECLARATION OF JEFFREY LAU**  
**REGARDING U.S. PATENT NO. 7,047,196**

I, Jeffrey Lau, make the following declaration in support of two petitions by Comcast Cable Communications, LLC (“Petitioner”) for *inter partes* review of U.S. Patent No. 7,047,196:

1. I am an attorney with the law firm of Farella Braun + Martel LLP, counsel for Petitioner. Unless otherwise stated, the facts stated in this declaration are based on my personal knowledge.

2. The document submitted with the petitions and identified as Exhibit 1004 is a true and correct copy of “Speech Recognition by Machine: A Review” by D. Raj Reddy, Proceedings of the IEEE, Vol. 64, No. 4, April 1976.

3. The document submitted with the petitions and identified as Exhibit 1005 is a true and correct copy of “Multimodal User Interfaces in the Open Agent Architecture” by D. Moran, et al., Proceedings of the 2nd International Conference on Intelligent User Interfaces (IUI ’97), pp. 61-68, 1997.

4. The document submitted with the petitions and identified as Exhibit 1006 is a true and correct copy of “Quantization of Cepstral Parameters for Speech Recognition over the World Wide Web” by V. Digalakis, et al., IEEE Journal on Selected Areas in Communications, Vol. 17, No. 1, Jan. 1999.

5. The document submitted with the petitions and identified as Exhibit 1007 is a true and correct copy of “Enabling New Speech Driven Services for Mobile Devices: An Overview of the ETSI Standards Activities for Distributed

Speech Recognition Front-ends” by D. Pearce, AVIOS 2000: The Speech Applications Conference, May 22-24, 2000, retrieved from <https://portal.etsi.org/stq/kta/dsr/avios%20dsr%20paper.pdf>.

6. The document submitted with the petitions and identified as Exhibit 1008 is a true and correct copy of “Speech Recognition Methods for Controlling Cable Television,” IBM Technical Disclosure Bulletin, Vol. 38, No. 08, August 1995.

7. The document submitted with the petitions and identified as Exhibit 1017 is a true and correct copy of Plaintiff Promptu Systems Corporation’s Disclosure of Asserted Claims and Preliminary Infringement Contentions, which I understand was served in the case entitled *Promptu Systems Corp. v. Comcast Corp. and Comcast Cable Communications, LLC*, Case No. 2:16-cv-06516-JS (E.D. PA).

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code.

/s/ Jeffrey Lau  
Jeffrey Lau