

SONY CORPORATION,
Petitioner


v.

RAYTHEON COMPANY,
Patent Owner

Case IPR2015-01201

Patent 5,591,678

DECLARATION OF JOESPH B. TYRA


I, ~~Joseph~~ B. Tyra, declare:

1. I am over eighteen years of age and in all respects fully competent to make this Declaration. I have personal knowledge of the facts, as stated herein, and all are true and correct.

2. During the timeframe of 1990-1994, I was the manager of the Assembly Lab at the Carlsbad Research Center (CRC) for Hughes Aircraft

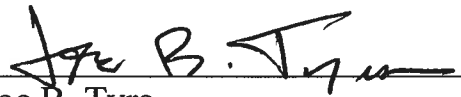
3. During this timeframe, I was aware of the work being done by Jerry Malloy at the CRC.

4. I have reviewed Exhibit 2009, RAY00000185-88, which is an invention disclosure form ("1992 Invention Disclosure"). I signed this document as a witness on November 17, 1992 and it was recorded by Hughes Aircraft on November 20, 1992.

5. I affirm that the signature on the bottom of pages numbered RAY00000186-188 is mine. By signing my name, I affirmed that I had read and understood the 1992 Invention Disclosure. I believed this affirmation to be true at the time of execution, and I have no reason to doubt it now.

I declare under the penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

Date: March 9, 2016



Joe B. Tyra