



DECLARATION OF GERARD P. GRENIER

I, Gerard P. Grenier, am over twenty-one (21) years of age. I have never been convicted of a felony, and I am fully competent to make this declaration. I declare the following to be true to the best of my knowledge, information and belief:

1. I am Senior Director of Content Management of The Institute of Electrical and Electronics Engineers, Incorporated (“IEEE”).
2. IEEE is a neutral third party in this dispute.
3. Neither I nor IEEE itself is being compensated for this declaration.
4. Among my responsibilities as Senior Director of Content Management, I act as a custodian of certain records for IEEE.
5. I make this declaration based on my personal knowledge and information contained in the business records of IEEE.
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7. It is the regular practice of IEEE to publish articles and other writings including article abstracts and make them available to the public through IEEE Xplore. IEEE maintains copies of publications in the ordinary course of its regularly conducted activities.
8. The article below has been attached as Exhibit A to this declaration:

| | |
|----|--|
| A. | “HomeRF: Wireless Networking for the Connected Home”; K. J. Negus et al., published in IEEE Personal Communications, Volume: 7, Issue: 1, February 2000. |
|----|--|

9. I obtained a copy of Exhibit A through IEEE Xplore, where it is maintained in the ordinary course of IEEE’s business. Exhibit A is a true and correct copy of the Exhibit, as it existed on or about January 2, 2020.
10. The articles and abstracts from IEEE Xplore shows the date of the conference. IEEE Xplore populates this information using the metadata associated with the publication.

11. "HomeRF: Wireless Networking for the Connected Home" by K. J. Negus et al. was published in IEEE Personal Communications, Volume: 7, Issue: 1. IEEE Personal Communications, Volume: 7, Issue: 1 was published in February 2000. Copies of this publication were made available no later than the last day of the publication month. The article is currently available for public download from the IEEE digital library, IEEE Xplore.
12. The article is currently available for public download from the IEEE digital library, IEEE Xplore.
13. I hereby 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 are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001.

I declare under penalty of perjury that the foregoing statements are true and correct.

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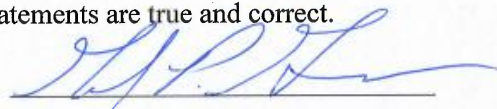


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Abstract: The SWAP specification for wireless voice and data networking within the home will enable a new class of mobile consumer devices that draw from the power and content of the Internet and the home PC. If cable modems and xDSL represent the "last mile" access to the home, then HomeRF/sup TM/s mission with SWAP could be called the "very last 150 feet" within and around the home. HomeRF has the broad backing of the major corporate stakeholders for networking within the home and is optimized specifically for the cost/performance point needed for consumers. The technology leverages the existing PC-industry infrastructure around the Internet, TCP/IP, and Ethernet, and adds a standard way to connect to the PSTN for voice telephony. First products should appear in late 1999, and future versions with enhanced features and/or higher data rates should follow in one to two years.

Published in: IEEE Personal Communications (Volume: 7 , Issue: 1 , Feb 2000)

Page(s): 20 - 27

INSPEC Accession Number: 6523364

Date of Publication: Feb 2000

DOI: 10.1109/98.824568

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