

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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APPLE, INC.,  
Petitioner,  
v.  
Ericsson Inc.,  
Patent Owner

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Case IPR2022-00337  
U.S. Patent 10,454,655

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**DECLARATION OF DR. ZYGMUNT HAAS,  
IN SUPPORT OF PATENT OWNER'S PRELIMINARY RESPONSE**

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A. Summary of Kwon .....41

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1. Kwon does not disclose or render obvious the claimed requirement for first and second LCIDs associated with first and second MAC CE formats with first and second bit map sizes, respectively (claim elements [21b], [26d], [31b], and [36d]). ..... 45

a) a. LCID is used in Kwon only to identify a MAC CE as an activation/deactivation indicator MAC CE, not to indicate a bitmap length. ....47

b) Petitioner’s focus on other types of LCIDs contradicts its position. ....50

c) Kwon consistently teaches that a wireless communication system uses a fixed-size bit map based on a maximum number of component carriers.....52

d) Summary – Kwon neither discloses nor render obvious first and second LCIDs associated with first and second MAC CE formats with first and second bit map sizes, respectively.....55

2. For similar reasons, Kwon does not render obvious claim elements [21e], [26g]..... 56

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I, Zygmunt Haas, do hereby declare as follows:

## I. INTRODUCTION

1. I am making this declaration at the request of patent owner Ericsson, Inc. in the *Inter Partes* Review of U.S. Patent No. 10,454,655 (“the ’655 Patent”).

2. I am being compensated for my work in this matter at my current standard hourly rate. I am also being reimbursed for reasonable and customary expenses associated with my work and testimony in this investigation. My compensation is not contingent on the outcome of this matter or the specifics of my testimony.

3. I have been asked to provide my opinions regarding whether claims 1-40 (“the Challenged Claims”) of the ’655 Patent are patentable as they would or would not have been obvious to a person having ordinary skill in the art (“POSITA”) at the time of the invention, in light of the prior art. My conclusion and opinion of my work on this project is that the challenged claims would have been non-obvious to a POSITA.

4. In the preparation of this declaration, I have studied:

- a. the ’655 Patent, Ex.1001;
- b. the prosecution history of the ’655 Patent (“’655 File History”),

Ex.1002;

- c. U.S. Patent Pub. No. 2012/0113811 to *Bao et al.* (“Bao”), Ex.1004;

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