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.

SCRAMOGE TECHNOLOGY, LTD.,
Patent Owner

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Case IPR2022-00118
U.S. Patent No. 10,804,740

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**SUPPLEMENTAL DECLARATION OF JOSHUA PHINNEY, PH.D., UNDER 37 C.F.R. § 1.68**

## TABLE OF CONTENTS

I, Joshua Phinney, Ph.D., declare:

## A. Introduction

**1.** I am the Joshua Phinney, who has previously submitted a declaration as Ex.1003 and a supplemental declaration as Ex.1018 in this proceeding. The terms of my engagement, my background and qualifications, prior testimony, and the legal standards and claim constructions that I am applying are set forth in my previous CV and declarations. *See* Ex.1003; Ex.1004; Ex.1018. I am making this second supplemental declaration at the request of Apple Inc. in the matter of the *Inter Partes* Review of U.S. Patent No. 10,804,740 (the "'740 Patent") to An et al.

**2.** In the preparation of this declaration, I have studied the materials noted in my previous declarations, as well as the following additional materials:

(1) **Ex.1022** – U.S. Patent No. 9,178,369 to Partovi; and

(2) **Ex.1023** – U.S. Patent No. 9,178,369 to Suzuki et al.

**3.** In forming the opinions expressed below, I have considered:

(1) The documents listed above, and

(2) My own knowledge and experience, including my work experience in the field of networking, as described below.

## B. A POSITA would have found substitute claims 21-23 as obvious under 35 U.S.C. § 103 over Kato.

**4.** I have been asked to provide my opinion as to whether Substitute Claims 21-23 of the Revised Motion to Amend ("Revised Motion," Paper 28) would have been obvious in view of the prior art. The discussion below provides a detailed analysis of how the prior art reference identified below teaches the limitations of the Substitute Claims of the '740 Patent.

**5.** As stated in my previous declaration, I have considered the scope and content of the prior art and any differences between the alleged invention and the prior art as part of my analysis. I describe in detail below the scope and content of the prior art, as well as any differences between the alleged invention and the prior art, on an element-by-element basis for Substitute Claims 21-23 of the '740 Patent.

**6.** As described in detail below, the alleged invention of the Substitute Claims 21-23 would have been obvious in view of the teachings of Kato as well as the knowledge of a POSITA.

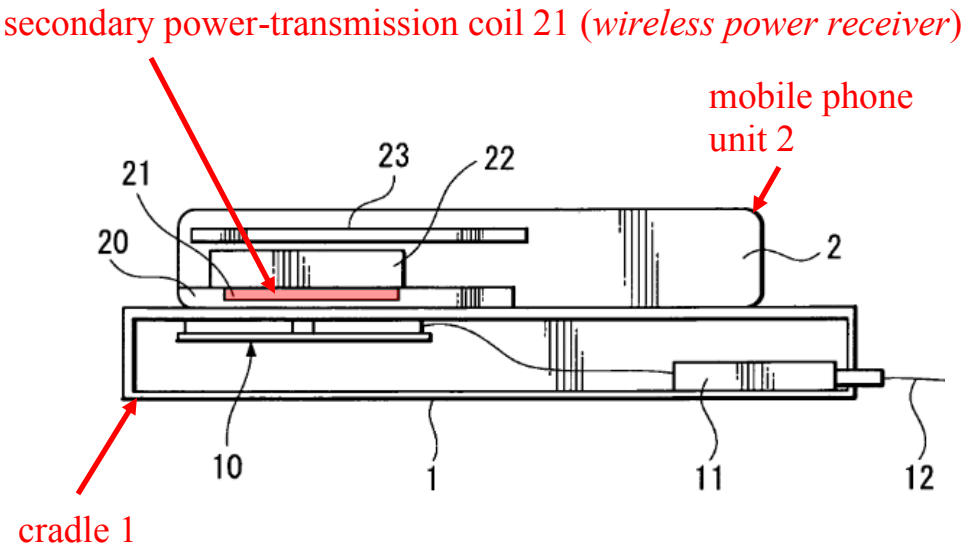
### a. Kato teaches the wireless power transceiver of Substitute Claims 21-23.

**7.** Like the '740 Patent, Kato relates to a "non-contact power-transmission coil for use in power transmission in a noncontact manner ... when charging a rechargeable battery incorporated in a small-size, thin portable terminal

such as a mobile phone unit." Ex.1017, [0003]. Therefore, Kato describes a "coil" in a mobile phone unit for wireless power reception via electromagnetic induction:

> This invention relates to a noncontact power-transmission **coil for use in power transmission** in a noncontact manner using **electromagnetic induction**, when charging a rechargeable battery incorporated in a small-size, thin portable terminal such as a **mobile phone** unit.

*Id.* (emphasis added).




**Ex.1017, Fig. 3 (annotated)**

**8.** Fig. 3 of Kato, reproduced and annotated above, illustrates a mobile phone unit 2 having a "secondary power-transmission coil 21" that wirelessly receives power from "primary power-transmission coil 10" within a cradle 1. *Id.* at

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