UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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SAMSUNG ELECTRONICS CO., LTD. and
SAMSUNG ELECTRONICS AMERICA, INC.,
Petitioner,

v.

SEVEN NETWORKS, LLC,
Patent Owner.

———————

Case IPR2018-01108
Patent 9,516,127 B2

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Before THU A. DANG, JONI Y. CHANG, and
JACQUELINE T. HARLOW, *Administrative Patent Judges*.

CHANG, *Administrative Patent Judge*.

DECISION
Institution of *Inter Partes* Review
35 U.S.C. § 314(a)

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I. INTRODUCTION

Samsung Electronics Co., Ltd. and Samsung Electronics America, Inc. (collectively, "Petitioner" or "Samsung") filed a Petition requesting an *inter partes* review of claims 1−30, 32−38, 40−48, and 50 ("the challenged claims") of U.S. Patent No. 9,516,127 B2 (Ex. 1001, "the '127 patent"). Paper 2 ("Pet."). The SEVEN Networks, LLC and CF SVN LLC (collectively, "Patent Owner") filed a Preliminary Response. Paper 11 ("Prelim. Resp."). Pursuant to our prior authorization, Petitioner filed a Reply (Papers 15, 16, "Reply") to the Patent Owner Preliminary Response as to the issue of whether Petitioner had named all of the real parties in interest, and Patent Owner filed a Sur-Reply (Papers 19, 20, "Sur-Reply").[1] The parties also filed Motions to Seal (Papers 17, 18, 21) the nonpublic versions of their papers (Papers 16, 19) and certain exhibits and have agreed to the Revised Protective Order (Paper 17, Attachments A, B; Paper 18, Attachment A).

Under 35 U.S.C. § 314(a), an *inter partes* review may not be instituted unless the information presented in the petition "shows that there is a reasonable likelihood that the petitioner would prevail with respect to at least 1 of the claims challenged in the petition." For the reasons stated below, we determine that there is a reasonable likelihood that Petitioner would prevail with respect to at least one challenged claim. We hereby

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[1] Both parties filed public and nonpublic versions of their papers. Our citations correspond to the nonpublic version of each paper.

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institute *inter partes* review of all the challenged claims on all the grounds of unpatentability asserted in the Petition.

A. *Related Matters*

The parties indicate that the '127 patent is involved in *SEVEN Networks, LLC v. Samsung Electronics Co., Ltd.*, Case No. 2:17-cv-00441 (E.D. Tex.). Pet. 78; Paper 3, 2. The parties also list other related proceedings. Paper 3, 1–2.

B. *The '127 Patent*

The '127 patent claims priority to U.S. Provisional Application No. 61/805,070 (the "'070 application"), which was filed on March 25, 2013. Ex. 1001, at [54], [60]. The '127 patent discloses a system and method "for tracking resources used by triggers such as alarms and timers that are used by mobile applications to schedule tasks and intelligently manipulating the timing of the triggers to optimize usage of resources." *Id.* at Abstract.

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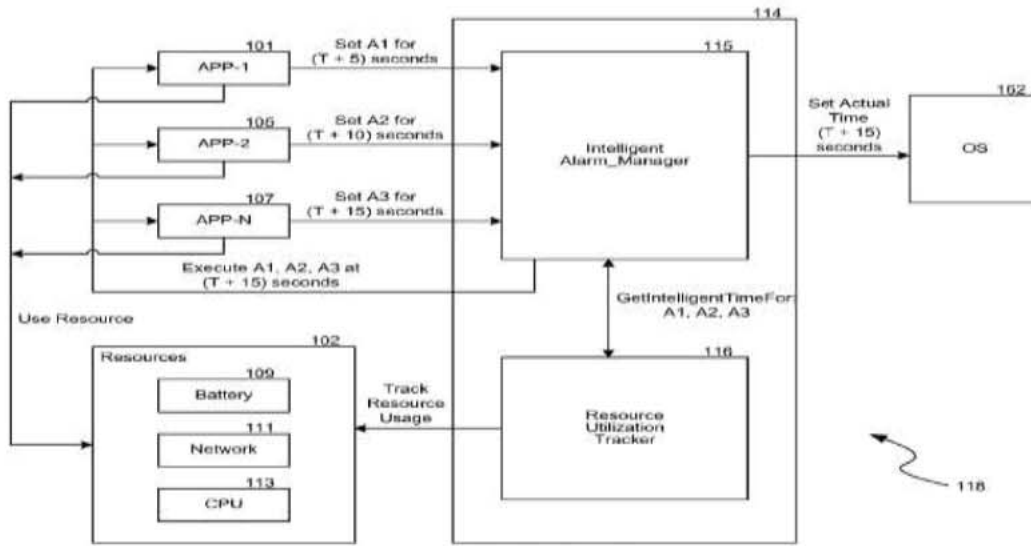Figure 1A-1 of the '127 patent is reproduced below.

FIG. 1A-1

Figure 1A-1 of the '127 patent illustrates an example resource utilization tracking and intelligent alarm management of triggers across multiple applications on a mobile device. *Id.* at 5:15–20. In particular, Figure 1A-1 shows intelligent alarm manipulator and resource tracker module 114 having intelligent alarm manger 115 and resource utilization tracker 116. *Id.* Applications 101, 105, and 107 are exemplary applications of a mobile device, which can set alarms for different times to perform different tasks. *Id.* at 5:24–26. Alarms A1, A2, and A3 are intercepted and/or tracked by intelligent alarm manger 115, and they use resources 102, including battery 109, network 111, and CPU 113. *Id.* at 5:29–33. Resource utilization tracker 116 tracks or monitors the usage of various resources by alarms A1, A2, and A3, or tasks triggered by the alarms. *Id.* at 5:33–36. For example, assuming that alarm A1 wakes up the mobile device from the

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sleep mode, when alarm A1 is triggered, the mobile device's battery/power resource and CPU resource can be utilized. *Id*. at 5:36−39.

C. Illustrative Claim

Of the challenged claims, claims 1, 10, 17, 24, 33 and 42 are independent. Claims 2−9 depend from claim 1; claims 11−16 depend from claim 10; claims 18−23 depend from claim 17; claims 25−30 and 32 depend from claim 24; claims 34−38, 40, and 41 depend from claim 33; and claims 43−48 and 50 depend from claim 42. Claim 1 is illustrative:

> 1. A method for managing resources on a mobile device, comprising:
>
> entering a power save mode based on a backlight status and sensed motion of a mobile device;
>
> delaying a timing of one or more triggers for multiple applications on the mobile device,
>
> wherein the timing is delayed such that the triggers execute within a window of time,
>
> wherein at least a subset of the triggers are associated with wakelocks; and
>
> exiting the power save mode when the backlight of the mobile device turns on or motion of the mobile device is sensed.

Ex. 1001, 23:60–24:5.

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