

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG ELECTRONICS AMERICA, INC.
Petitioner

v.

UNILOC LUXEMBOURG, S.A.
Patent Owner

U.S. Patent No. 8,872,646

**PETITION FOR *INTER PARTES* REVIEW OF
U.S. PATENT NO. 8,872,646**

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 4. “dominant axis logic...to compare a difference between a current sample value along the dominant axis determined based on the motion of the device and the idle sample value of the dominant axis against a threshold value”10

 5. “computation logic to determine whether the motion caused a change in the dominant axis”11

 6. “power logic to wake up the device when the motion of the device indicates a change in the dominant axis of the device”12

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Ex. 1003	U.S. Patent No. 7,409,291 to Pasolini <i>et al.</i> (“Pasolini”)
Ex. 1004	<i>Using the LIS3L02AQ Accelerometer</i> , Ron Goldman, Sun Microsystems Inc. Dated February 23, 2007. (“Goldman”)
Ex. 1005	U.S. Patent No. 7,204,123 to McMahan <i>et al.</i> (“McMahan”)
Ex. 1006	U.S. Patent Publication No. 2006/0161377 to Rakkola <i>et al.</i> (“Rakkola”)
Ex. 1007	<i>Using Gravity to Estimate Accelerometer Orientation</i> , David Mizell, Proceedings of the Seventh IEEE International Symposium on Wearable Computers (ISWC '03) 2003. (“Mizell”)
Ex. 1008	Declaration of Chris Butler, Under 37 C.F.R. § 1.68.
Ex. 1009	<i>Dictionary of Scientific and Technical Terms</i> , McGraw-Hill.
Ex. 1010	Declaration of Joe Paradiso, Ph.D, Under 37 C.F.R. § 1.68.
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Ex. 1015	Comparison between the Current Petition and Petition in IPR2018-00289

I. INTRODUCTION

U.S. Patent No. 8,872,646 (“the ’646 Patent,” Ex. 1001) is generally directed to waking a device from a low power state in response to detected acceleration. Specifically, the claims of the ’646 Patent recite well-known accelerometer techniques that involve (i) removing glitches, (ii) capturing accelerometer samples while at rest, (iii) measuring the current acceleration, and (iv) waking the device from the low power state in response to detecting acceleration. However, before the ’646 Patent, POSITAs were already using such techniques.

Accordingly, the evidence in this Petition demonstrates that claims 1, 3, 5-11, 13-18, and 20 of the ’646 Patent are unpatentable under (pre-AIA) 35 U.S.C. § 103. Samsung Electronics America, Inc. (“Petitioner”) therefore respectfully requests that claims 1, 3, 5-11, 13-18, and 20 be held invalid and cancelled.

This Petition is being submitted concurrently with a Motion for Joinder. Specifically, Petitioner requests institution and joinder with *Apple Inc. v. Uniloc Luxembourg SA*, IPR2018-00289 (“the Apple IPR Proceeding”), which the Board instituted on June 11, 2018.

II. MANDATORY NOTICES UNDER 37 C.F.R. § 42.8

A. Real Party-in-Interest

Petitioner identifies Samsung Electronics Co., Ltd. and Samsung Electronics America, Inc. as the real parties-in-interest.

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