UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG ELECTRONICS CO., LTD.,
SAMSUNG ELECTRONICS AMERICA, INC.,
SONY CORPORATION, AND
SONY MOBILE COMMUNICATIONS INC.,
Petitioners

v.

NEODRON LTD. Patent Owner.

DECLARATION OF DR. BENJAMIN B. BEDERSON IN SUPPORT OF PETITION FOR *INTER PARTES* REVIEW OF U.S. PATENT NO. 8,749,251



TABLE OF CONTENTS

I.	INTRODUCTION					
II.	BACKGROUND AND QUALIFICATIONS					
III.	INFORMATION CONSIDERED					
IV.	RELE	RELEVANT LEGAL STANDARDS				
	A.	Claim Interpretation	. 12			
	B.	Perspective of One of Ordinary Skill in the Art	. 12			
	C.	Anticipation	. 13			
	D.	Obviousness	. 13			
V.	LEVI	EL OF ORDINARY SKILL IN THE ART	. 16			
VI.	SUMMARY OF MY OPINIONS					
VII.	THE	THE CHALLENGED PATENT				
VIII.	PATENT PROSECUTION HISTORY					
IX.	PRIORITY DATE					
X.	CLAIM CONSTRUCTION					
	A.	"key touch on the touch screen" (claims 1, 10, 16)	. 21			
	B.	"deactivation of measurement of changes in capacitance" (claims 2, 11, 17)	. 22			
XI.	BRIEF DESCRIPTION OF THE PRIOR ART					
	A.	Krah	. 23			
	B.	Wilson	. 26			
	\mathbf{C}	Chaudhri	2.7			



XII.	DETAILED EXPLANATION OF THE UNPATENTABILITY GROUNDS						
	A.	Claims 1-3, 7-12, and 16-18 are anticipated and/or rendered obvious by Krah (Ex-1005) in view of the knowledge of one of ordinary skill in the art.					
		1.	Claim 1	29			
		2.	Claim 2	40			
		3.	Claim 3	41			
		4.	Claim 7	44			
		5.	Claim 8	44			
		6.	Claim 9	47			
		7.	Claim 10	48			
		8.	Claim 11	49			
		9.	Claim 12	50			
		10.	Claim 16	50			
		11.	Claim 17	51			
		12.	Claim 18	52			
	B.		ns 2, 11, and 17 are rendered obvious by Krah in view of				
		1.	Claim 2	52			
		2.	Claim 11	55			
		3.	Claim 17	55			
		4.	Motivation to Combine Krah and Wilson	56			
	C.		ns 1-3, 7-12, 16-18 are rendered obvious by Krah in view	59			



Declaration of Dr. Benjamin B. Bederson U.S. Patent No. 8,749,251

		1.	Claims 1	. 59
		2.	Claim 2	. 63
		3.	Claim 3	. 63
		4.	Claim 7	. 63
		5.	Claim 8	. 63
		6.	Claim 9	. 63
		7.	Claim 10	. 64
		8.	Claim 11	. 64
		9.	Claim 12	. 65
		10.	Claim 16	. 65
		11.	Claim 17	. 66
		12.	Claim 18	. 66
		13.	Motivation to Combine Krah and Chaudhri	. 66
	D.		ns 2, 11, and 17 are rendered obvious by Krah in view of dhri in further view of Wilson	. 68
		1.	Claim 2	. 68
		2.	Claim 11	. 69
		3.	Claim 17	. 70
		4.	Motivation to Combine Krah, Chaudhri, and Wilson	. 70
XIII.	CON	CLUS	ION	. 71

1. I, Dr. Benjamin B. Bederson, declare as follows:

I. INTRODUCTION

- 2. I have been retained by Samsung Electronics Co., Ltd., Samsung Electronics America, Inc., Sony Corp., and Sony Mobile Communications Inc. (collectively, "Petitioners") as an independent expert consultant in this *inter partes* review ("IPR") proceeding before the United States Patent and Trademark Office ("PTO").
- 3. I have been asked by Petitioners' counsel ("Counsel") to consider whether certain references teach or suggest the features recited in Claims 1-3, 7-12, and 16-18 of U.S. Patent No. 8,749,251 ("the '251 Patent") (Ex-1001)¹. My opinions and the bases for my opinions are set forth below.
- 4. I am being compensated at my ordinary and customary consulting rate for my work, which is \$600 per hour. My compensation is in no way contingent on the nature of my findings, the presentation of my findings in testimony, or the outcome of this or any other proceeding. I have no other financial interest in this proceeding.

¹ Where appropriate, I refer to exhibits that I understand are attached to the petition for IPR of the '251 Patent.



DOCKET

Explore Litigation Insights



Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time** alerts and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.

