

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent of: Bernard Hunt  
U.S. Patent No.: 6,868,079 Attorney Docket No.: 39521-0060IP1  
Issue Date: March 15, 2005  
Appl. Serial No.: 09/455,124  
Filing Date: December 6, 1999  
Title: Radio Communication System With Request Re-  
Transmission Until Acknowledged

**Mail Stop Patent Board**

Patent Trial and Appeal Board  
U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

**PETITION FOR *INTER PARTES* REVIEW OF UNITED STATES PATENT  
NO. 6,868,079 PURSUANT TO 35 U.S.C. §§ 311–319, 37 C.F.R. § 42**

## TABLE OF CONTENTS

I.	INTRODUCTION .....	1
II.	REQUIREMENTS FOR IPR .....	1
	A. Grounds for Standing.....	1
	B. Challenge and Relief Requested.....	1
III.	BACKGROUND .....	3
	A. Overview of the '079 Patent .....	3
	B. Prosecution History of the '079 Patent.....	7
	C. Level of Ordinary Skill in the Art.....	7
	D. Claim Construction .....	8
IV.	GROUND 1: Wolfe in view of Bousquet and Patsiokas Renders Claims 17 and 18 Obvious.....	16
	A. Technical Background of Radio System Technology .....	16
	B. Overview of Wolfe .....	19
	C. Overview of Bousquet .....	24
	D. Combination of Wolfe and Bousquet .....	25
	E. Motivation to Combine Wolfe and Bousquet.....	27
	F. Overview of Patsiokas .....	36
	G. Combination of Wolfe, Bousquet, and Patsiokas .....	37
	H. Motivation to Combine Wolfe, Bousquet, and Patsiokas.....	37
	I. Claim 17.....	40
	J. Claim 18.....	57
V.	GROUND 2: Wolfe in view of Bousquet, Everett, and Patsiokas Renders Claims 17 and 18 Obvious.....	73
	A. Overview of Everett.....	73
	B. Combination of Wolfe, Bousquet, Everett, and Patsiokas .....	74
	C. Motivation to Combine Wolfe, Bousquet, Everett, and Patsiokas .....	76
VI.	CONCLUSION.....	78
VII.	MANDATORY NOTICES UNDER 37 C.F.R § 42.8(a)(1).....	78
	A. Real Party-In-Interest Under 37 C.F.R. § 42.8(b)(1).....	78
	B. Related Matters Under 37 C.F.R. § 42.8(b)(2).....	78
	C. Lead And Back-Up Counsel Under 37 C.F.R. § 42.8(b)(3).....	79
	D. Service Information .....	80

## EXHIBITS

- Exhibit-1001 U.S. Patent No. 6,868,079 to Hunt (“the ’079 Patent”)
- Exhibit-1002 Excerpts of Prosecution History of the ’079 Patent (Serial No. 09/455,124)
- Exhibit-1003 Declaration of Paul G. Steffes, Ph.D.
- Exhibit-1004 *Curriculum Vitae* of Paul G. Steffes, Ph.D.
- Exhibit-1005 U.S. Patent No. 4,763,325 to Wolfe *et al.* (“Wolfe”)
- Exhibit-1006 U.S. Patent No. 6,298,052 to Bousquet *et al.* (“Bousquet”)
- Exhibit-1007 PCT Publication WO 1992/021214 to Patsiokas *et al.* (“Patsiokas”)
- Exhibit-1008 John L. Everett, *Very Small Aperture Terminal (VSATs)*, Institution of Electrical Engineers (IEE), Telecommunication Series 28, First Edition (1992) (“Everett”) (select portions)
- Exhibit-1009 C. Retnadhas, Satellite Multiple Access Protocol, IEEE Communications Magazine, 1980 (“Retnadhas”)
- Exhibit-1010 U.S. Patent No. 6,212,360 to Fleming, III *et al.* (“Fleming”)
- Exhibit-1011 ITU-T G.114, *Transmission Systems and Media. General Recommendations on the Transmission Quality for an Entire International Telephone Connection. One-Way Transmission Time*, Telecommunication Standardization Sector of ITU, 1994 (“ITU Standards”)

- Exhibit-1012      Joint Claim Construction and Prehearing Statement, District Court Case No. 2-18-cv-00042, (“Joint CC”)
- Exhibit-1013      Exhibit A of Joint CC (“Exh-A of Joint CC”)
- Exhibit-1014      Fredrick J. Hill & Gerald R. Peterson, Introduction to Switching Theory and Logical Design, Second Edition (1968) (select portions) (“Hill”)
- Exhibit-1015      Newton’s Telecom Dictionary, 12<sup>th</sup> Edition (1997) (select portions)
- Exhibit-1016      The IEEE Standard Dictionary of Electrical and Electronic Terms, Sixth Edition (1996) (select portions)
- Exhibit-1017      Declaration of Jacob Robert Munford

## I. INTRODUCTION

Apple Inc., LG Electronics Inc., Samsung Electronics Co., Ltd., and Samsung Electronics America, Inc. (collectively “Petitioners”) petition for *Inter Partes* Review (“IPR”) of claims 17 and 18 (“the Challenged Claims”) of U.S. Patent No. 6,868,079 (“the ’079 Patent”).

## II. REQUIREMENTS FOR IPR

### A. Grounds for Standing

Petitioners certify that the ’079 Patent is available for IPR. Petitioners are not barred or estopped from requesting review of the Challenged Claims.

### B. Challenge and Relief Requested

Petitioners request IPR of the Challenged Claims on the grounds in the table below, as explained in this petition and the Declaration of Paul G. Steffes, Ph.D. *See e.g.*, EX-1003, [1]-[147].

Ground	'079 Claims	§ 103 Basis
1	17, 18	Obvious over Wolfe in view of Bousquet and Patsiokas
2	17, 18	Obvious over Wolfe in view of Bousquet, Everett, and Patsiokas

# 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.