

Petitioner Oral Hearing Demonstratives

Apple Inc., LG Electronics Inc., Samsung Electronics Co.,
Ltd., and Samsung Electronics America, Inc., (Petitioners)
v.
Uniloc 2017 LLC (Patent Owner)

Case No. IPR2019-00510
U.S. Patent No. 6,868,079

Before Hon. Sally C. Medley, Jeffrey S. Smith, and Garth D. Baer
Administrative Patent Judges

FISH.

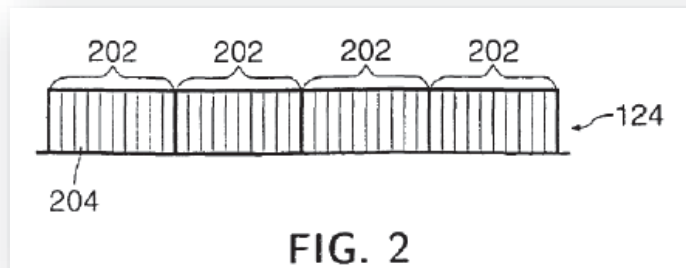
Table of Contents

I. Background	3
A. Overview Of The '079 Patent	4
B. Instituted Grounds	5
II. Independent Claim 17	6
A. Combination of Wolfe and Bousquet (Grounds 1 and 2)	8
B. Disputed Issue #1: “consecutive allocated time slots”	21
C. Disputed Issue #2: “retransmit ... until acknowledgment is received”	28
D. Addition of Everett (Ground 2)	35
E. Addition of Patsiokas (Grounds 1 and 2)	44
IV. Independent Claim 18	57
A. Obviousness of Indefinite Claims (Grounds 1 and 2)	59

Background

FISH.

Overview Of The '079 Patent

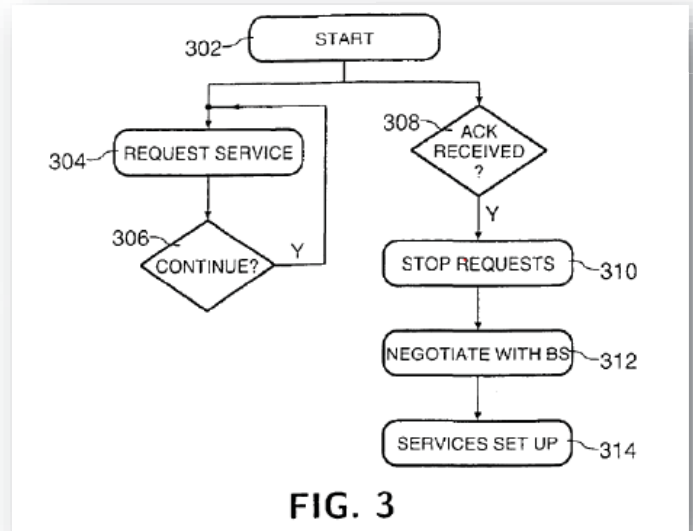


EX-1001 ('079 Patent), FIG. 2 [Paper 2 (Pet.), p. 4]

The present invention is concerned with an uplink channel 124 dedicated to the transmission of requests for services by a MS 110 to a BS 100. One arrangement of such a channel for UMTS is illustrated in FIG. 2. The uplink channel 124 is divided into a succession of frames 202, each of length 10 ms, and each MS 110 registered with the BS 100 is allocated a time slot 204 in each frame in which it can transmit a request for service. Although only ten time slots 204 are

with the present invention, is that shown in FIG. 3. The process starts at 302 when the MS 110 determines that it requires a service from the BS 100. The MS 110 then makes a request for service 304 in the next time slot 204 (FIG. 2) allocated to it. In a Code Division Multiple Access (CDMA) system, the request 304 is made by transmitting a predetermined code sequence. Requests 304 continue to be made in successive allocated time slots 204 until a first test 306 determines that no further requests should be made, for

EX-1001 ('079 Patent), 3:23-30, 3:55-59, 3:61-65 [Paper 2 (Pet.), pp. 4-5]



EX-1001 ('079 Patent), FIG. 3 [Paper 2 (Pet.), p. 5]

Instituted Grounds

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

Paper 2 (Pet.), p. 1

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.