

**ZTE (USA) Inc., HTC Corporation, HTC America, Inc.,
Samsung Electronics Co., LTD., and Samsung Electronics America, Inc.**
Petitioner

v.

Evolved Wireless LLC, Patent Owner

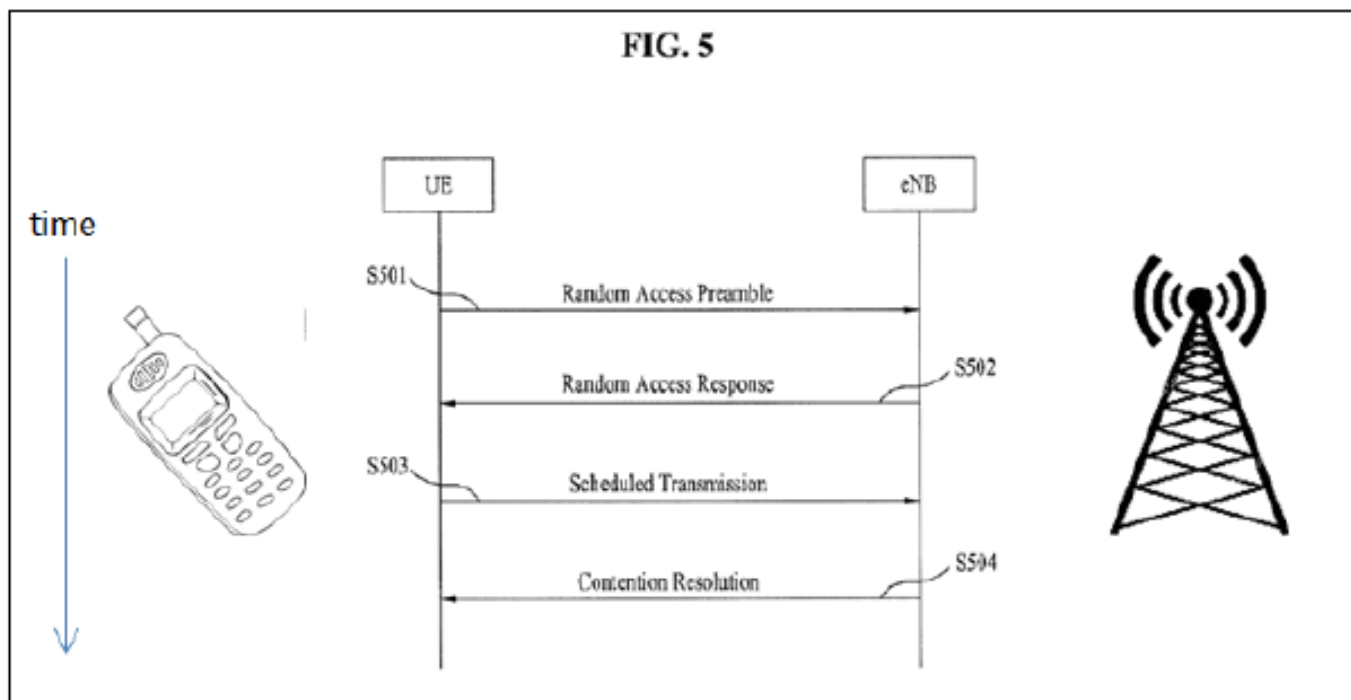
U.S. Patent No. 7,881,236

IPR2016-00757 (IPR2016-01335—consolidated)

Oral Argument – August 8, 2017

Evolved Wireless's Hearing Demonstrative

Introduction to the '236 Patent



Introduction to the '236 Patent

Claim 1

1.	A method of transmitting data by a user equipment through an uplink, the method comprising:
1(b)	receiving an uplink grant (UL Grant) signal from a base station on a specific message;
1(c)	determining whether there is data stored in a message 3 (Msg3) buffer when receiving the UL Grant signal on the specific message;
1(d)	determining whether the specific message is a random access response message;
1(e)	transmitting the data stored in the Msg3 buffer to the base station using the UL Grant signal received on the specific message, <u>if there is data stored in the Msg3 buffer when receiving the UL Grant signal on the specific message and the specific message is the random access response message;</u> and
1(f)	transmitting new data to the base station in correspondence with the UL Grant signal received on the specific message, <u>if there is no data stored in the Msg3 buffer when receiving the UL Grant signal on the specific message or the specific message is not the random access response message.</u>

Introduction to the '236 Patent

Claim 7

7.	A user equipment, comprising:
7(b)	a reception module adapted to receive an uplink grant (UL Grant) signal from a base station on a specific message;
7(c)	a transmission module adapted to transmit data to the base station using the UL Grant signal received on the specific message;
7(d)	a message 3 (Msg3) buffer adapted to store UL data to be transmitted in a random access procedure;
7(e)	a Hybrid Automatic Repeat Request (HARQ) entity adapted to determine whether there is data stored in the Msg3 buffer when the reception module receives the UL Grant signal and the specific message is a random access response message, <u>acquiring the data stored in the Msg3 buffer if there is data stored in the Msg3 buffer when the reception module receives the UL Grant signal and the specific message is the random access response message</u> , and controlling the transmission module to transmit the data stored in the Msg3 buffer to the base station using the UL Grant signal received by the reception module on the specific message; and
7(f)	a multiplexing and assembly entity used for transmission of new data,
7(g)	wherein the HARQ entity acquires the new data to be transmitted from the multiplexing and assembly entity <u>if there is no data stored in the Msg3 buffer when the reception module receives the UL Grant signal on the specific message or the received message is not the random access response message</u> , and controls the transmission module to transmit the new data acquired from the multiplexing and assembly entity using the UL Grant signal received by the reception module on the specific message.

Introduction to the '236 Patent

Claim 1

1.	A method of transmitting data by a user equipment through an uplink, the method comprising:
1(b)	receiving an uplink grant (UL Grant) signal from a base station on a specific message;
1(c)	determining whether there is data stored in a message 3 (Msg3) buffer when receiving the UL Grant signal on the specific message;
1(d)	determining whether the specific message is a random access response message;
1(e)	transmitting the data stored in the Msg3 buffer to the base station using the UL Grant signal received on the specific message, <u>if there is data stored in the Msg3 buffer when receiving the UL Grant signal on the specific message and the specific message is the random access response message</u> ; and
1(f)	transmitting new data to the base station in correspondence with the UL Grant signal received on the specific message, <u>if there is no data stored in the Msg3 buffer when receiving the UL Grant signal on the specific message or the specific message is not the random access response message</u> .

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.