

ADAPTIX Announces Three New 4G Patents to end Q3

Early innovator in OFDMA closes quarter with burst of international patent grants

CARROLLTON – Sept. 27, 2011 – ADAPTIX, Inc., a pioneer in the development of orthogonal frequency division multiple access (OFDMA) technology, announced today that it is finishing a strong third quarter with the formal issuance of new patents in the U.S., Australia and Hong Kong. All three patents relate to important 4G cellular technologies and detail innovations including OFDMA subcarrier allocation and automatic gain control which result in a greatly improved user experience for broadband wireless subscribers using smartphones and other connected devices.

“ADAPTIX has been on the forefront of developing next-generation wireless communications for the past 11 years,” said Byron Young, vice president of marketing and technology at ADAPTIX. “These newly-issued patents further add to our technology offering and ownership of core 4G innovations.”

Issued on Sept. 20, 2011, new U.S. Patent 8,023,598 entitled “Automatic Gain Control Method and Apparatus for Wireless Communication Systems,” details intelligent gain control for wireless systems including those based on OFDM and OFDMA technologies. Automatic gain control is an important feature in modern wireless systems as it helps boost radio frequency (RF) performance for mobile subscribers while improving battery life. As a result, users can experience a higher quality connection in 4G systems, even while on-the-go with new, powerful smartphones and tablets.

Patent HK110312 – “Method and Apparatus for Subcarrier Selection for a System Employing Orthogonal Frequency Division Multiple Access” – was recently issued in Hong Kong. The patent describes subcarrier and subcarrier group assignment, providing for multiple user access in 4G. This enables carriers to support a larger number of users with higher bandwidth over limited wireless spectrum than was previously possible.

Australian Patent 2005311947, entitled “Exploiting Multiuser Diversity through Phase Modulation Multiplexing,” also recently granted, provides a method for combining multiple users onto limited spectrum. By aggregating and multiplexing users with similar traffic characteristics, this innovation effectively manages Quality of Service (QoS) of applications, resulting in a better overall user experience in 4G networks.

The newly-minted patents increase the company’s portfolio count to 230 issued and pending patents worldwide.