

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

RPX CORPORATION,
Petitioner,

v.

CHANBOND LLC,
Patent Owner.

Case IPR2016-00234
Patent 7,941,822 B2

Before JONI Y. CHANG, JENNIFER S. BISK, and
JACQUELINE T. HARLOW, *Administrative Patent Judges*.

HARLOW, *Administrative Patent Judge*.

FINAL WRITTEN DECISION
35 U.S.C. § 318(a) and 37 C.F.R. § 42.73

I. INTRODUCTION

Petitioner, RPX Corporation (“RPX”), filed a Petition on November 20, 2015, requesting an *inter partes* review of claims 1–31 of U.S. Patent No. 7,941,822 B2 (Ex. 1001, “the ’822 patent”). Paper 1 (“Pet.”). Patent Owner, ChanBond LLC (“ChanBond”), filed a Preliminary Response on March 10, 2016. Paper 6 (“Prelim. Resp.”). We determined that the information presented in the Petition demonstrated that there was a reasonable likelihood that RPX would prevail with respect to at least one challenged claim. Pursuant to 35 U.S.C. § 314, we instituted trial on June 6, 2016, as to claims 1–31 of the ’822 patent. Paper 7 (“Dec.”).

After institution, ChanBond filed a Patent Owner’s Response. Paper 10 (“PO Resp.”). RPX filed a Reply to the Patent Owner’s Response to Petition. Paper 12 (“Pet. Reply”). Oral hearing was held January 30, 2017, and the transcript of the oral hearing has been entered into the record as Paper 23.

This final written decision is entered pursuant to 35 U.S.C. § 318(a). We have jurisdiction under 35 U.S.C. § 6.

We hold that RPX has not demonstrated by a preponderance of the evidence that claims 1–31 of the ’822 patent are unpatentable under 35 U.S.C. § 102(b) and 35 U.S.C. § 103(a).

A. *Related Matters*

The ’822 patent is asserted in several cases in the District of Delaware. Pet. 2–3; Paper 4, 2–3; Paper 15, 2–3. In addition, we have

instituted *inter partes* review of claims 1, 2, 5, 6, 19, 20, 23, and 29 of the '822 patent in IPR2016-01744.

B. The '822 Patent

The '822 patent is entitled “Intelligent Device System and Method for Distribution of Digital Signals on a Wideband Signal Distribution System.” Ex. 1001, [54]. The '822 patent is directed to a “system and method for distribution of digital signals onto, and off of, a wideband signal distribution system.” Ex. 1001, 1:24–28. Specifically, the '822 patent describes an “intelligent device” that receives an RF signal that has been modulated onto two or more RF channels, and combines that information back into a single stream. *Id.* at 10:55–11:31.

Figure 5 is reproduced below:

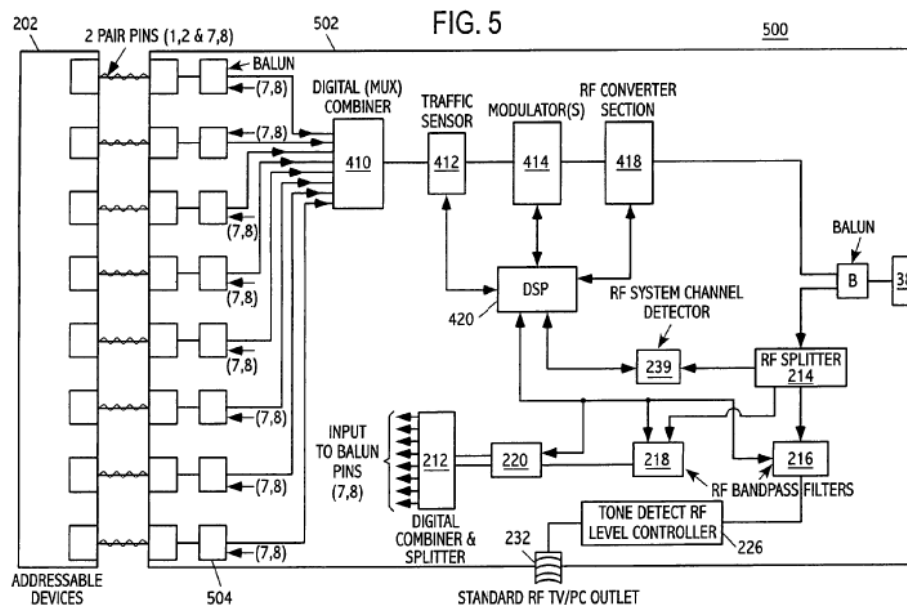


Figure 5 of the '822 patent illustrates the signal path from intelligent device 502 to addressable devices 202. *Id.* at 10:55–11:31.

As depicted in Figure 5, RF splitter 214 splits the signal entering intelligent device 502, and sends information regarding the RF channels in use to RF system channel detector 239. *Id.* at 10:55–60. In addition, the modulated RF signal is differentiated into an IP portion and a non-IP portion, according to the information frequency on the incoming carrier. *Id.* at 10:60–64. The non-IP portion of the signal passes through bandpass filter 216 and is fed to a standard RF television or computer outlet. *Id.* at 10:66–11:2. The IP portion of the signal passes through bandpass filter 218, and is demodulated by demodulator 220, which strips the RF carrier signal from the digital baseband signal. *Id.* at 11:15–20. Subsequently, the digital signals are combined by digital combiner 212, to achieve a parallel to serial conversion. *Id.* at 11:20–25. This signal is routed to addressable device 202. *Id.* at 11:25–31.

C. Illustrative Claim

Of the challenged claims, claims 1 and 19 are independent. Claim 1, reproduced below, is illustrative of the claimed subject matter.

1. An intelligent device for receiving and processing RF signals, comprising:

an input configured to receive a modulated RF signal containing multiple channels, and to receive channel in use information which identifies each channel in the modulated RF signal that includes information addressed to at least one addressable device;

a demodulator unit configured to demodulate at least two channels contained in the modulated RF signal when the channel in use information identifies the at least two channels as

containing information addressed to the at least one addressable device; and

a combiner configured to combine the at least two channels demodulated by the demodulator unit into a digital stream when the channel in use information identifies the at least two channels as containing information addressed to the at least one addressable device, and to output the digital stream to the at least one addressable device.

Ex. 1001, 12:22–40. Claim 19 recites a similar device, but requires “a detector configured to detect each channel contained in the received modulated RF signal that includes information addressed to at least one addressable device, and to generate channel in use information identifying each channel that includes information addressed to the at least one addressable device” (*id.* at 15:5–10), in lieu of “an input configured to . . . receive channel in use information which identifies each channel in the modulated RF signal that includes information addressed to at least one addressable device” (*id.* at 12:24–28), as recited by claim 1.

D. Prior Art Relied Upon

In its Petition, RPX relies upon the following prior art references (Pet. 17–18, 40–41, 54–55, 56–57):

Ollikainen	US 6,377,981 B1	Apr. 23, 2002	(Ex. 1012)
Otten	US 6,522,865 B1	Feb. 18, 2003	(Ex. 1011)
Grindahl	US 7,633,893 B2	Dec. 15, 2009	(Ex. 1010)
Rakib	US 2004/0172658 A1	Sept. 2, 2004	(Ex. 1007)
Haugli	WO 99/49592	Sept. 30, 1999	(Ex. 1009)

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.