

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

LG ELECTRONICS, INC. and LG ELECTRONICS U.S.A., INC.,
Petitioner,

v.

MULTIMEDIA TECHNOLOGIES PTE. LTD.,
Patent Owner.

IPR2024-00351
Patent 9,510,040 B2

Before ST. JOHN COURTENAY III, MICHAEL R. ZECHER, and
SHARON FENICK, *Administrative Patent Judges*.

ZECHER, *Administrative Patent Judge*.

DECISION
Granting Institution of *Inter Partes* Review
35 U.S.C. § 314

I. INTRODUCTION

Petitioner, LG Electronics, Inc. and LG Electronics U.S.A., Inc. (collectively, “LG”), filed a Petition requesting an *inter partes* review (“IPR”) of claims 1–6, 11–16, 21, and 22 of U.S. Patent No. 9,510,040 B2 (Ex. 1001, “the ’040 patent”). Paper 1 (“Pet.”). Patent Owner, Multimedia Technologies Pte. Ltd. (“Multimedia”), filed a Preliminary Response. Paper 5 (“Prelim. Resp.”). Based on the authority delegated to us by the Director under 37 C.F.R. § 42.4(a) (2023), we may not institute an IPR unless the information presented in the Petition and any response thereto shows “there is a reasonable likelihood that the petitioner would prevail with respect to at least 1 of the claims challenged in the petition.” 35 U.S.C. § 314(a) (2023). Taking into account Multimedia’s Preliminary Response, we conclude that the information presented in the Petition establishes that there is a reasonable likelihood that LG would prevail in demonstrating at least one of claims 1–6, 11–16, 21, and 22 of the ’040 patent as unpatentable. Pursuant to § 314, we hereby institute an *inter partes* review as to these claims of the ’040 patent.

A. Real Parties in Interest (“RPIs”)

The Petition identifies LG Electronics, Inc. and LG Electronics U.S.A., Inc. as RPIs. Pet. 95. Multimedia identifies itself as the only RPI. Paper 4 (Multimedia’s Mandatory Notices), 2.

B. Related Matters

The parties indicate that the ’040 patent is the subject of the following two district court cases: (1) *Multimedia Technologies Pte. Ltd. v. LG Electronics Inc.*, No. 2:22-cv-00494 (E.D. Tex. filed Dec. 23, 2022); and (2) *Multimedia Technologies Pte. Ltd. v. Vizio, Inc.*, No. 2:23-cv-00124

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(E.D. Tex. Filed Mar. 24, 2023). Pet. 95; Paper 4, 2. In addition to this Petition, LG filed the following three other petitions challenging related patents owned by Multimedia: (1) *LG Electronics, Inc. v. Multimedia Technologies Pte. Ltd.*, IPR2024-00352, Paper 1 (PTAB Dec. 20, 2023) (challenging claims 1–14 of U.S. Patent No. 9,247,174 B2); (2) *LG Electronics, Inc. v. Multimedia Technologies Pte. Ltd.*, IPR2024-00353, Paper 1 (PTAB Dec. 22, 2023) (challenging claims 1–4, 6, 8–10, 12–17, and 19 of U.S. Patent No. 9,055,254 B2); and (3) *LG Electronics, Inc. v. Multimedia Technologies Pte. Ltd.*, IPR2024-00354, Paper 1 (PTAB Dec. 22, 2023) (challenging claims 1–18 of U.S. Patent No. 10,419,805 B2)). Paper 4, 2.

C. The '040 Patent

The '040 patent, titled “Global Panel,” issued from U.S. Patent Application No. 14/834,316, filed on August 24, 2015. Ex. 1001, codes (54), (21), (22). The '040 patent has an extensive priority chain of continuation and provisional applications that ultimately results in a claim of priority to U.S. Provisional Patent Application No. 61/684,672 (“the '672 application”), which was filed on August 17, 2012. *Id.* at codes (60), (63).

The '040 patent generally relates to “methods and systems of displaying content on a television” that includes “receiving an indication associated with a selection by a user,” determining “a global panel to display via the television” based on the received indication,” retrieving “a first content information for display in the global panel” from memory, and then displaying “the retrieved content information in the specified global panel” on the television. Ex. 1001, code (57). According to the '040 patent, “[a] Smart TV [television] is generally conceived as a device that integrates

access to the Internet and Web 2.0 features into television sets.” *Id.* at 2:15–17. The ’040 patent, however, states that “most Smart TV’s have yet to provide seamless and intuitive user interfaces for navigating and/or executing the various features of the Smart TV” and, as a result, “there are still issues with the consolidation of features and the presentation of these features in Smart TVs.” *Id.* at 2:21–26.

The ’040 patent ostensibly addresses these issues with smart TVs by providing “intuitive user interfaces . . . with seamless user interaction capability.” Ex. 1001, 2:30–31. Figure 15B of the ’040 patent, reproduced below, illustrates a global panel configuration consistent with one embodiment. *Id.* at 11:31–32, 29:60–62.

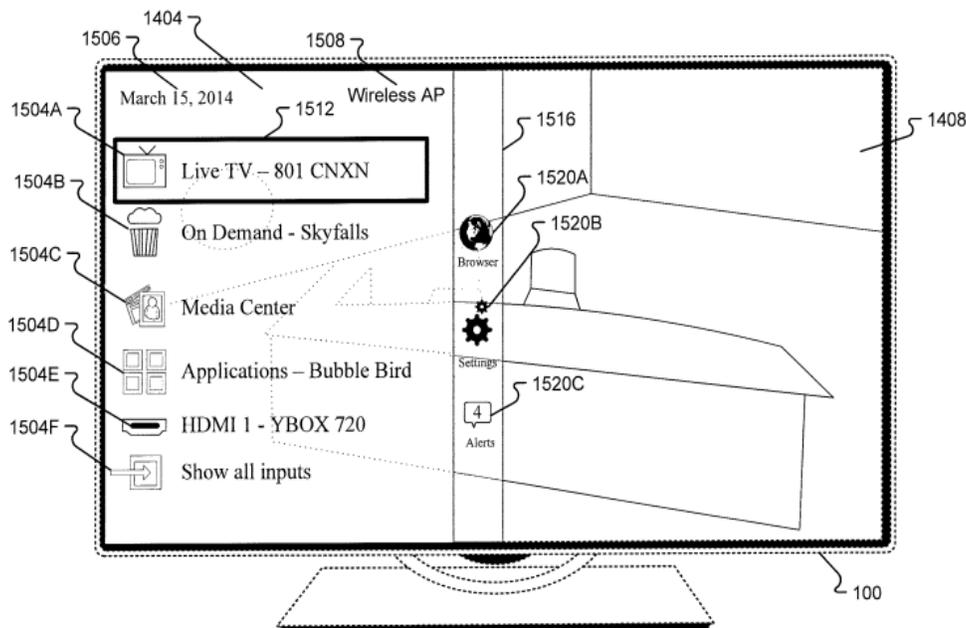


Fig. 15B

Figure 15B illustrates intelligent TV 100 that includes global panel 1404 on the left and active content area 1408 on the right. *See id.* at 29:60–30:5.

Global panel 1404 includes, among other things, one or more sources

1504A–E represented by icons or texts. *Id.* at 30:26–27. Global panel 1404 also “indicate[s] a source that is selected or highlight[ed] using indicator 1512.” *Id.* at 30:41–43. As shown above, indicator 1512 is represented as “a box positioned around Live TV—801 CNXN,” which, in turn, results in displaying Live TV in active content area 1408. *Id.* at 30:43–44, 30:65–67.

Figure 15C of the '040 patent, reproduced below, illustrates that same global panel configuration as Figure 15B, except indicator 1512 was moved to a different source. Ex. 1001, 11:31–32, 32:9–12.

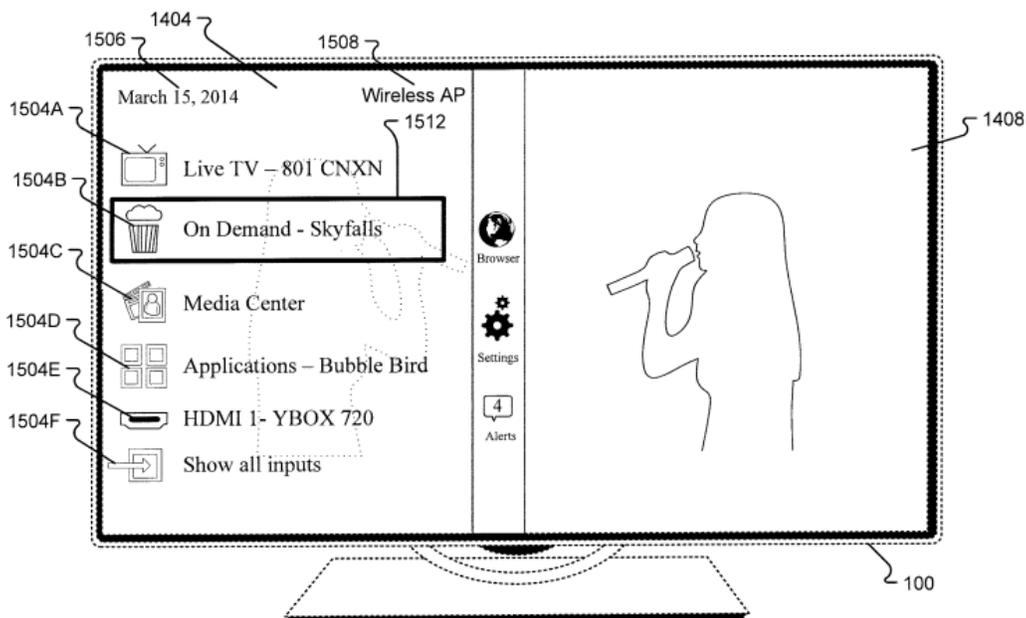


Fig. 15C

Figure 15C illustrates positioning indicator 1512 within global panel 1404 around “On Demand – Skyfalls,” which, in turn, results in displaying an image or video associated with Skyfalls in active content area 1408. *Id.* at 32:12–14.

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