

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
7 May 2009 (07.05.2009)

PCT

(10) International Publication Number
WO 2009/059003 A3

(51) International Patent Classification:
H04L 29/06 (2006.01)

(21) International Application Number:
PCT/US2008/081788

(22) International Filing Date: 30 October 2008 (30.10.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/983,840 30 October 2007 (30.10.2007) US
12/260,852 29 October 2008 (29.10.2008) US

(71) Applicant (for all designated States except US): **QUALCOMM INCORPORATED** [US/US]; Attn: International IP Administration, 5775 Morehouse Drive, San Diego, CA 92121 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ORR, Brian William** [CA/US]; 5775 Morehouse Drive, San Diego, CA 92121 (US). **CROCKETT, Douglas Marion** [US/US]; 5775 Morehouse Drive, San Diego, CA 92121 (US).

MAGGENTI, Mark [US/US]; 5775 Morehouse Drive, San Diego, CA 92121 (US). **STACEY, Rob** [US/US]; 5775 Morehouse Drive, San Diego, CA 92121 (US). **MEHTA, Sapna** [IN/US]; 5775 Morehouse Drive, San Diego, CA 92121 (US).

(74) Agent: **JOYCE, Gerald P., III**; 5775 Morehouse Drive, San Diego, CA 92121 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: METHODS AND APPARATUS FOR FAST CHANNEL SWITCHING BETWEEN REAL TIME CONTENT ON A DEVICE

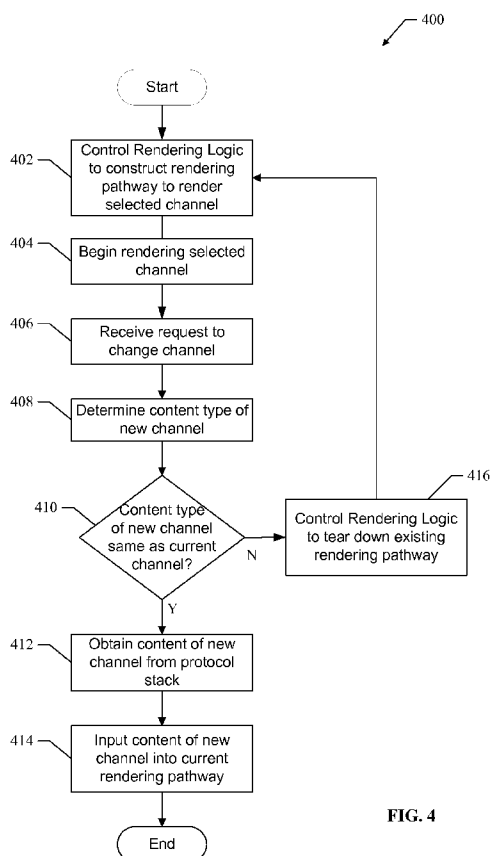


FIG. 4

(57) Abstract: Methods and apparatus for fast channel switching between real time content on a device. In an aspect, a method includes receiving a channel selection indicator that identifies a channel comprising real time content to be rendered (406), determining whether the real time content can be rendered using an existing rendering pathway (410), and inputting the real time content into the existing rendering pathway if it is determined that the real time content can be rendered using the existing rendering pathway (414). An apparatus includes a user interface, to receive a channel selection indicator that identifies a channel comprising real time content to be rendered, processing logic to determine whether the real time content can be rendered using an existing rendering pathway, and a rendering interface to input the real time content into the existing rendering pathway if it is determined that the real time content can be rendered using the existing pathway.

WO 2009/059003 A3



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

— *with international search report*
 — *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

(88) Date of publication of the international search report:

11 June 2009