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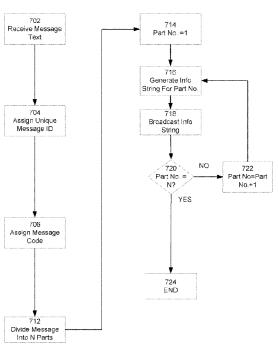
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# (54) Title: A SYSTEM AND METHOD FOR DELIVERING CONTENT TO A WIRELESS STATION



(57) Abstract: A system and method for delivering content to a wireless station. An string broadcast station receives message content. The message content may, for example, be in the form of a coupon, an announcement, a menu, a news alert, directions and a link to additional content on a server. The string broadcast station parses the message content into one or more message parts. The message parts are transformed by the string broadcast station into one or more network information strings. The string broadcast station then broadcasts the one or more network information strings. A wireless station may receive the network information strings, determine the order in which the parts are to be assembled, and assemble the parts to obtain the message in its original form. A wireless station may also rebroadcast a message part for reception by other wireless stations.





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UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, Published: TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

### **Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

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According to International Patent Classification (IPC) or to both national classification and IPC

#### FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) H04W 48/10; H04H 20/71

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean utility models and applications for utility models Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) eKOMPASS(KIPO internal) & Keywords: string broadcast station, network information string, delivering content, parsing, broadcasting

## DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2006-0276183 A1 (ROY FRANKLIN QUICK et al.) 07 December 2006 See paragraphs [0058], [0059]; figures 2, 4.	1-18
А	US 2010-0311320 A1 (JUNG BO-SUN et al.) 09 December 2010 See paragraphs [0110]-[0122]; figure 4.	1-18

	- 1	Further	documents	are	listed	in	the	continua	tion	of	Box	C
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See patent family annex.

- Special categories of cited documents:
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- earlier application or patent but published on or after the international filing date
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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

# PCT/US2012/038632

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2006-0276183 A1	07.12.2006	AT 406724 T AT 515901 T BR P10410230A CA 2525822 A1 CN 101873541 A CN 1792056 A CN 1792056 B CN 1792056 C0 DE 602004016148 D1 EP 1625684 A2 EP 1625684 B1 EP 1971068 B1 ES 2366304 T3 JP 04-594315 B2 JP 05-016084 B2 JP 2007-503793 A JP 2010-268455 A JP 4594315 B2 KR 10-1038910 B1 KR 20060018853 A MX PA05012373A US 2004-0229599 A1 US 7113773 B2 W0 2004-105300 A2 W0 2004-105300 A2	15.09.2008 15.07.2011 09.05.2006 02.12.2004 27.10.2010 21.06.2006 08.09.2010 21.06.2006 09.10.2008 15.02.2006 27.08.2008 17.09.2008 06.07.2011 19.10.2011 24.09.2010 15.06.2012 22.02.2007 25.11.2010 08.12.2010 03.06.2011 02.03.2006 02.02.2006 18.11.2004 26.09.2006 02.12.2004
US 2010-0311320 A1	09.12.2010	AU 2006-280598 A1 AU 2006-280598 B2 BR P10614980A2 CA 2615671 A1 CN 101243702 A CN 101243702 B CN 101243702 C0 EP 1770884 A1 JP 2009-505556 A KR 10-2007-0021022 A US 2007-0042757 A1 US 7801513 B2 US 8103209 B2 WO 2007-021140 A1	22.02.2007 17.06.2010 26.04.2011 22.02.2007 13.08.2008 16.11.2011 13.08.2008 04.04.2007 05.02.2009 22.02.2007 22.02.2007 21.09.2010 24.01.2012 22.02.2007