## (12)

## **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3: 10.10.2012 Bulletin 2012/41

(51) Int Cl.: *H04H 20/61* (2008.01)

(43) Date of publication A2: 18.11.2009 Bulletin 2009/47

(21) Application number: 09159196.6

(22) Date of filing: 30.04.2009

(84) Designated Contracting States:

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

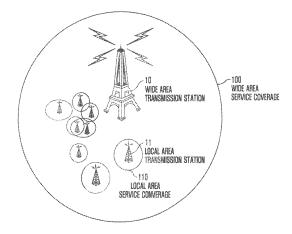
(30) Priority: 13.05.2008 KR 20080044174 19.12.2008 KR 20080130544

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- (54) Method for Providing Area-Based Broadcasting Service Using Digital Mutlimedia Broadcasting, and Apparatus and Method for Receiving Area-Based Broadcasting Service according to the same
- (57)Disclosed are a method for providing an areabased broadcasting service based on Digital Multimedia Broadcasting (DMB), and an apparatus and method for receiving the area-based broadcasting service according to the same by dividing service data for each relevant area, which may be a wide area or a local area, and transmitting the divided data through different sub-channels of a Main Service Channel (MSC). Accordingly, a terminal of a reception part receives only service data associated with the position of the terminal and provides the received data to a user to provide the area-based broadcasting service. The method for providing the areabased broadcasting service using DMB includes receiving a DMB transmission frame broadcasted from a DMB transmission server and a middle step to insert local area service-related data in the received DMB transmission frame to retransmit the frame.





EP 2 120 375 A3



## **EUROPEAN SEARCH REPORT**

Application Number EP 09 15 9196

	DOCUMENTS CONSIDER		1		
Category	Citation of document with indic of relevant passage		Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)	
Х	US 2005/068977 A1 (NA AL) 31 March 2005 (20	KYOUNG-WEON [KR] ET 05-03-31)	1,3	INV. H04H20/61	
Υ	* paragraph [0029] - figure 1A *	paragraph [0031];	2,4-8	·	
Х	EP 1 489 751 A2 (DELP 22 December 2004 (200	 HI TECH INC [US]) 4-12-22)	9-15		
Υ	* paragraph [0021] *  * paragraph [0011] -  * paragraph [0015] -  figures 2, 3 *  * paragraphs [0006],	paragraph [0012] * paragraph [0017];	2,5,7		
	<u> </u>				
Υ	EP 1 244 234 A2 (BOSC 25 September 2002 (20 * paragraph [0014] -	02-09-25)	4,6,8		
	claim 1 * * paragraphs [0007],	[0012] * 			
				TECHNICAL FIELDS SEARCHED (IPC)	
				HO4H	
	The present search report has bee	n drawn up for all claims  Date of completion of the search		Examiner	
The Hague		29 August 2012	De	Haan, Aldert	
X : part Y : part docu A : tech	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with another ument of the same category nological background -written disclosure		ple underlying the ocument, but publi ate I in the application for other reasons	invention ished on, or	

## ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 09 15 9196

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

29-08-2012

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2005068977	A1	31-03-2005	CN JP KR US	1601937 2005102174 20050030687 2005068977	A A	30-03-200 14-04-200 31-03-200 31-03-200
EP 1489751	A2	22-12-2004	EP US	1489751 2004258179		22-12-200 23-12-200
EP 1244234	A2	25-09-2002	DE EP	10114035 1244234		12-12-200 25-09-200

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FORM P0459