



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
14.05.2014 Bulletin 2014/20

(51) Int Cl.:
H04H 20/06 (2008.01) H04H 20/59 (2008.01)

(43) Date of publication A2:
01.06.2011 Bulletin 2011/22

(21) Application number: **10193080.8**

(22) Date of filing: **30.11.2010**

(84) Designated Contracting States:
AL 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 RS SE SI SK SM TR
Designated Extension States:
BA ME

(30) Priority: **30.11.2009 KR 20090117141**
17.05.2010 KR 20100045983

(71) Applicant: **Electronics and Telecommunications Research Institute**
Daejeon 305-700 (KR)

(72) Inventors:
• **Lee, Yong Hoon**
Daejeon (KR)

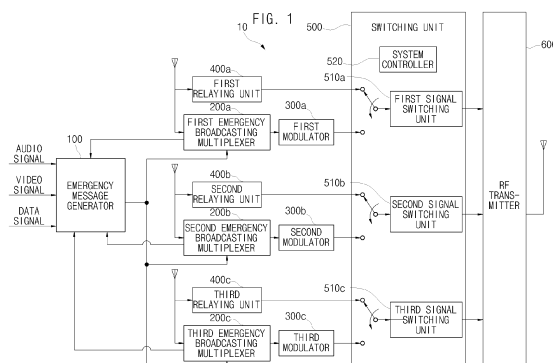
- **Park, So Ra**
Daejeon (KR)
- **Kim, Geon**
Daejeon (KR)
- **Lee, Yong Tae**
Daejeon (KR)
- **Kim, Jin Min**
Seoul (KR)
- **Baek, Myung Sun**
Seoul (KR)
- **Song, Yun Jeong**
Daejeon (KR)
- **Lee, Soo In**
Daejeon (KR)

(74) Representative: **Betten & Resch**
Theatinerstrasse 8
80333 München (DE)

(54) **Relaying emergency broadcasts**

(57) Provided is a method for providing emergency broadcasting for providing emergency service signal. A method for providing emergency broadcasting includes encoding the emergency service signals at a predetermined bit rate; optionally padding null stream in the encoded emergency service signals and generating a first emergency message signal having a first main service

bit rate of a first broadcasting channel that is the bit rate or more; and optionally padding the null stream in the encoded emergency service signals and generating a second emergency message signal having a second main service bit rate of a second broadcasting channel different from the first main service bit rate that is the bit rate or more.



**PARTIAL EUROPEAN SEARCH REPORT**

Application Number

under Rule 62a and/or 63 of the European Patent Convention. EP 10 19 3080
 This report shall be considered, for the purposes of subsequent proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 2006/035242 A2 (RADIOSCAPE LTD [GB]; BANHAM DOMINIC THOMAS PARFREY [GB]; SABEL LES [GB] 6 April 2006 (2006-04-06) * page 1, line 6 - page 7, line 24 * * page 10, lines 1-17 * -----	1,5,8-13	INV. H04H20/06 ADD. H04H20/59
X	US 2008/209466 A1 (ISHIDA TAKAHARU [JP] ET AL) 28 August 2008 (2008-08-28) * paragraphs [0005] - [0007], [0012] - [0015], [0028] - [0038] * -----	1-3,8	
X	EP 0 837 609 A2 (NEXTLEVEL SYSTEMS INC [US] GEN INSTRUMENT CORP [US]) 22 April 1998 (1998-04-22) * page 2, line 30 - page 3, line 6 * * page 4, line 22 - page 7, line 28 * -----	1-4	
A	WO 2006/080660 A1 (KOREA ELECTRONICS TELECOMM [KR]; LEE JIN-HWAN [KR]; LEE YONG-HOON [KR]) 3 August 2006 (2006-08-03) * paragraphs [0003], [0027] - [0043]; figure 1 * -----	8-13	
			TECHNICAL FIELDS SEARCHED (IPC)
			H04H H04N
INCOMPLETE SEARCH			
<p>The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R.62a, 63) has been carried out.</p> <p>Claims searched completely :</p> <p>Claims searched incompletely :</p> <p>Claims not searched :</p> <p>Reason for the limitation of the search: see sheet C</p>			
Place of search The Hague		Date of completion of the search 3 April 2014	Examiner Van Hoorick, Jan
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

 1
 EPO FORM 1503 03.82 (P04E07)



**INCOMPLETE SEARCH
SHEET C**

Application Number
EP 10 19 3080

Claim(s) completely searchable:
1-5, 8-13

Claim(s) not searched:
6, 7, 14, 15

Reason for the limitation of the search:

The search has been restricted to the subject-matter (claims 1-5, 8-13) indicated by the applicant in his letter of 15.04.2011 filed in reply to the invitation pursuant to Rule 62a(1) EPC.

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

EP 10 19 3080

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.

03-04-2014

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2006035242 A2	06-04-2006	EP 1800424 A2	27-06-2007
		KR 20070083859 A	24-08-2007
		WO 2006035242 A2	06-04-2006

US 2008209466 A1	28-08-2008	EP 1995968 A2	26-11-2008
		JP 2008205979 A	04-09-2008
		US 2008209466 A1	28-08-2008

EP 0837609 A2	22-04-1998	AT 284598 T	15-12-2004
		AU 723973 B2	07-09-2000
		AU 4190197 A	23-04-1998
		CA 2218160 A1	18-04-1998
		DE 69731865 D1	13-01-2005
		DE 69731865 T2	15-12-2005
		EP 0837609 A2	22-04-1998
		EP 1463330 A1	29-09-2004
		ES 2235208 T3	01-07-2005
		JP H10191325 A	21-07-1998
		KR 100362092 B1	16-05-2003
		NO 974764 A	11-05-1998
		NZ 328960 A	27-05-1998
		US 5917830 A	29-06-1999

WO 2006080660 A1	03-08-2006	CN 101116334 A	30-01-2008
		EP 1820340 A1	22-08-2007
		KR 20060065361 A	14-06-2006
		WO 2006080660 A1	03-08-2006
