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- (71) **Applicant (for all designated States except US):** **SAM-SUNG ELECTRONICS CO., LTD.** [KR/KR]; 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742 (KR).
- (72) **Inventors; and**
- (75) **Inventors/Applicants (for US only):** **YUN, Sung-Ryul** [KR/KR]; #811-806, 232, Yeongtong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-726 (KR). **JEONG, Hong-Sil**

[KR/KR]; #102-2003, 25, Yeouidaebang-ro 43na-gil, Yeongdeungpo-gu, Seoul 150-782 (KR). **YANG, Hyun-Koo** [KR/KR]; #204, 14-1, Dogok-ro 14-gil, Gangnam-gu, Seoul 135-858 (KR).

- (74) **Agents:** **KWON, Hyuk-Rok** et al.; 2F, 28, Gyeonghui-gung-gil, Jongro-gu, Seoul 110-062 (KR).

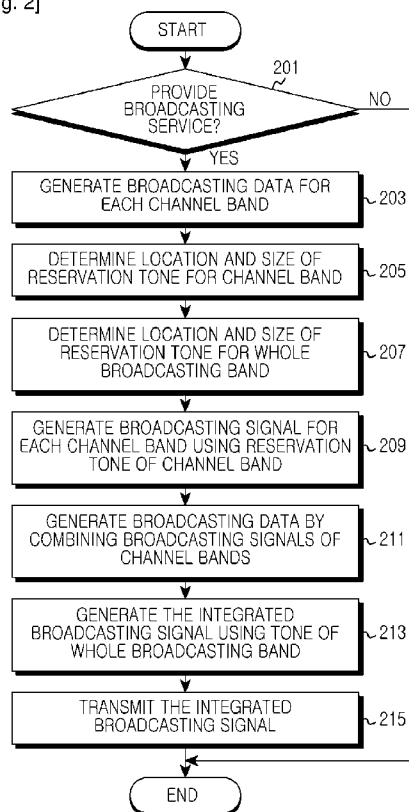
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(54) **Title:** APPARATUS AND METHOD FOR REDUCING PEAK TO AVERAGE POWER RATIO (PAPR) IN BROADCASTING COMMUNICATION SYSTEM

[Fig. 2]



(57) **Abstract:** An apparatus and a method are provided for reducing a Peak to Average Power Ratio (PAPR) in a broadcasting communication system, which provides a broadcasting service by dividing a broadcasting band into at least two channel bands. At least one primary reservation tone is injected into broadcasting signals of each of the channel bands. An integrated broadcasting signal of the broadcasting band is generated by combining the broadcasting signals of the channel bands. At least one secondary reservation tone is injected into the integrated broadcasting signal of the broadcasting band and the integrated broadcasting signal is transmitted.



UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, 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).

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**A. CLASSIFICATION OF SUBJECT MATTER*****H04H 20/33(2008.01)i***

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**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

H04H 20/33; H04J 4/00; H04L 27/00; H04J 11/00; H04B 1/10; H04L 27/26

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) &amp; Keywords: OFDM, PAPR, data slicing, reservation tone

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                 | Relevant to claim No.   |
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Date of the actual completion of the international search

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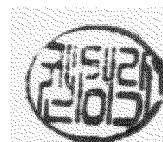
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Information on patent family members

International application No.

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