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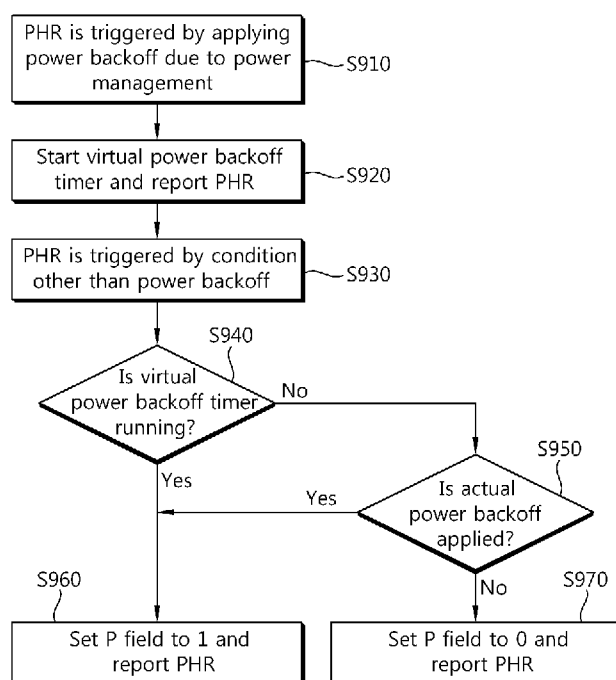
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(54) **Title:** APPARATUS AND METHOD OF REPORTING POWER HEADROOM IN WIRELESS COMMUNICATION SYSTEM

[Fig. 9]



(57) **Abstract:** A method and apparatus of reporting a power headroom in a wireless communication system is provided. A user equipment transmits a first power headroom report to a base station and starts a virtual power backoff timer upon transmitting the first power headroom report. When a second power headroom report is triggered while the virtual power backoff timer is running, the user equipment transmits the second power headroom report.



GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, 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***H04W 24/10(2009.01)i, H04W 72/12(2009.01)i***

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

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H04W 24/10; H04B 7/26; H04W 52/28; H04W 52/40; H04W 52/00; H04W 80/02

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: power headroom, power backoff

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	3GPP TS 36.133 V10.1.0, Requirements for support of radio resource management (Release 10), 06 January 2011 See pages 90-91.	1-12
A	KR 10-2010-0106246 A (INNOVATIVE SONIC LIMITED) 01 October 2010 See abstract, claims 1-21 and figure 4.	1-12
A	KR 10-2009-0131653 A (LG ELECTRONICS INC.) 29 December 2009 See abstract, claims 1-9 and figure 6.	1-12
A	KR 10-2010-0126549 A (QUALCOMM INC.) 01 December 2010 See abstract, claims 1-10 and figure 4.	1-12
A	KR 10-2010-0104351 A (SAMSUNG ELECTRONICS CO., LTD.) 29 September 2010 See abstract, claims 1-10 and figure 4.	1-12



Further documents are listed in the continuation of Box C.



See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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