

# (12) International Application Status Report

**Received at International Bureau:** 12 January 2018 (12.01.2018)

**Information valid as of:** 17 December 2018 (17.12.2018)

**Report generated on:** 23 March 2019 (23.03.2019)

**(10) Publication number:**

WO2019/000873

**(43) Publication date:**

03 January 2019 (03.01.2019)

**(26) Publication language:**

Chinese (ZH)

**(21) Application Number:**

PCT/CN2017/118083

**(22) Filing Date:**

22 December 2017 (22.12.2017)

**(25) Filing language:**

Chinese (ZH)

**(31) Priority number(s):**

201710510407.2 (CN)

**(31) Priority date(s):**

28 June 2017 (28.06.2017)

**(31) Priority status:**

Priority document received (in compliance with PCT Rule 17.1)

**(51) International Patent Classification:**

**H04L 1/00** (2006.01)

**(71) Applicant(s):**

COMBA TELECOM SYSTEMS (CHINA) LTD. [CN/CN]; No. 10 Shenzhou Road, Guangzhou Science City, Luogang District Guangzhou, Guangdong 510663 (CN) *(for all designated states)*

COMBA TELECOM SYSTEMS (GUANGZHOU) LTD. [CN/CN]; 6 Jinbi Road, Economic and Technological Development District Guangzhou, Guangdong 510663 (CN) *(for all designated states)*

COMBA TELECOM TECHNOLOGY (GUANGZHOU) LTD. [CN/CN]; No. 6 Jinbi Road, Guangzhou Economic and Technological Development District Guangdong 510663 (CN) *(for all designated states)*

TIANJIN COMBA TELECOM SYSTEMS LTD. [CN/CN]; Room 301, Building 1, No. 94, Changjiang Road, Nankai District Tianjin 300192 (CN) *(for all designated states)*

**(72) Inventor(s):**

LIU, Zhen; No. 10, Shenzhou Road, Science City Guangzhou, Guangdong 510663 (CN)

LIAO, Liyu; No. 10, Shenzhou Road, Science City Guangzhou, Guangdong 510663 (CN)

**(74) Agent(s):**

TDIP & PARTNERS; 101-01, 8/F, Building 20, No.1 Baosheng South Road Haidian District Beijing 100192 (CN)

**(54) Title (EN):** METHOD FOR ADJUSTING MODULATION AND CODING SCHEME (MCS) AND BASE STATION

**(54) Title (FR):** PROCÉDÉ DE RÉGLAGE D'UN SCHÉMA DE MODULATION ET DE CODAGE (MCS) ET STATION DE BASE

**(54) Title (ZH):** 一种调制编码方式的调整方法及基站

**(57) Abstract:**

**(EN):** Disclosed are a method for adjusting a modulation and coding scheme (MCS) and a base station, achieving the beneficial effect of saving transmission resources. The method for adjusting an MCS comprises: the base station allocates a bandwidth to at least one group calling service according to an order of the adopted preset MCS, wherein terminals under the coverage of the base station are divided into a plurality of groups, each group comprises a plurality of terminals, and the group calling service is a service for calling any terminal or other terminals in any group at the same time; and if the bandwidth allocated to the at least one group calling service is greater than a first preset bandwidth, the base station increases the order of the MCS adopted for the at least one group calling service.

**(FR):** L'invention concerne un procédé de réglage d'un schéma de modulation et de codage (MCS) et une station de base, réalisant l'effet bénéfique d'une économie de ressources de transmission. Le procédé de réglage d'un MCS comporte les étapes suivantes: la station de base attribue une bande passante à au moins un service d'appel de groupe selon un ordre du MCS prédéfini adopté, des terminaux se trouvant dans la zone de la couverture de la station de base étant divisés en une pluralité de groupes, chaque groupe comportant une pluralité de terminaux, et le service d'appel de groupe étant un service servant à appeler un terminal quelconque ou d'autres terminaux d'un groupe quelconque en même temps; et si la bande passante attribuée au(x) service(s) d'appel de groupe

est supérieure à une première bande passante prédéfinie, la station de base augmente l'ordre du MCS adopté pour le ou les services d'appel de groupe.

**(ZH):** 本发明公开了一种调制编码方式的调整方法及基站,达到节省传输资源的有益效果。其中的调制编码方式的调整方法包括:基站根据采用的预设调制编码方式MCS的阶数为至少一个组呼业务分配带宽;其中,基站覆盖下的终端划分为多个组,其中每组包括多个终端,所述组呼业务为任意一个终端与任意一个组内的其他终端同时进行呼叫的业务;若为所述至少一个组呼业务分配的带宽大于第一预设带宽,则所述基站增大对所述至少一个组呼业务采用的MCS的阶数。

### **International search report:**

Received at International Bureau: 13 February 2018 (13.02.2018) [CN]

### **International Report on Patentability (IPRP) Chapter II of the PCT:**

Not available

### **(81) Designated States:**

AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

European Patent Office (EPO) : 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

African Intellectual Property Organization (OAPI) : BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG

African Regional Intellectual Property Organization (ARIPO) : BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

Eurasian Patent Organization (EAPO) : AM, AZ, BY, KG, KZ, RU, TJ, TM