



(11)

EP 2 395 802 B8

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:
Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 73

(51) Int Cl.:
H04W 72/12 (2009.01)

(48) Corrigendum issued on:
16.10.2013 Bulletin 2013/42

(45) Date of publication and mention
of the grant of the patent:
11.09.2013 Bulletin 2013/37

(21) Application number: **11004460.9**

(22) Date of filing: **31.05.2011**

(54) **Method of handling a transmission with semi-persistent scheduling and related communication device and computer program product**

Verfahren zur Handhabung einer Übertragung mit semipersistenter Planung und zugehörigen Kommunikationsvorrichtung und Computerprogrammprodukt

Procédé de gestion de transmission avec planification semi-persistante et associée dispositif de communication et produit programme d'ordinateur

(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**

(30) Priority: **10.06.2010 US 353229 P**
26.05.2011 US 201113115987

(43) Date of publication of application:
14.12.2011 Bulletin 2011/50

(73) Proprietor: **HTC Corporation**
Taoyuan County 330 (TW)

(72) Inventor: **Wu, Chih-Hsiang**
Taoyuan County 330
Tawain (TW)

(74) Representative: **Ljungberg, Robert et al**
Murgitroyd & Company
Scotland House
165-169 Scotland Street
Glasgow Strathclyde G5 8PL (GB)

(56) References cited:

- **PANASONIC: "Uplink grant processing order for carrier aggregation", 3GPP DRAFT; R2-102758, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RANWG2, no. Montreal, Canada; 20100510, 3 May 2010 (2010-05-03), XP050423031, [retrieved on 2010-05-03]**
- **PANASONIC: "Semi-persistent scheduling operation in LTE Rel-9", 3GPP DRAFT; R2-092865_SPS_OPERATION_IN_REL9, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, no. San Francisco, USA; 20090428, 28 April 2009 (2009-04-28), XP050340682, [retrieved on 2009-04-28]**

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

EP 2 395 802 B8

- **ALCATEL-LUCENT SHANGHAI BELL ET AL:**
"Discussion on SPS related open issue", 3GPP DRAFT; R2-102878, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG2, no. Montreal, Canada; 20100510, 4 May 2010 (2010-05-04), XP050423173, [retrieved on 2010-05-04]
- **PANASONIC:** "Details of SPS operation for carrier aggregation", 3GPP DRAFT; R1-102014 (R2-102087), 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. Beijing, china; 20100412, 6 April 2010 (2010-04-06), XP050419347, [retrieved on 2010-04-06]
- **NOKIA SIEMENS NETWORKS (RAPPORTEUR):**
"Stage 2 description of Carrier Aggregation", 3GPP DRAFT; 36300_CR0230R3-(REL-10)_R2-103427 ON CA STAGE 2, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG2, no. Montreal, Canada; 20100510, 21 May 2010 (2010-05-21), XP050423504, [retrieved on 2010-05-21]
- **"LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Medium Access Control (MAC) protocol specification (3GPP TS 36.321 version 9.2.0 Release 9)", TECHNICAL SPECIFICATION, EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE (ETSI), 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS ; FRANCE, vol. 3GPP RAN 2, no. V9.2.0, 1 April 2010 (2010-04-01), XP014046909,**
- **VIA TELECOM:** "Overhead and Delay Reduction for UL Data Transfer in LTE Semi-Persistent Scheduling Operation", 3GPP DRAFT; R2-094516_OVERHEAD AND DELAY REDUCTION FOR UL DATA TRANSFER IN LTE SEMI-PERSISTENT SCHEDULING OPERATION, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRAN, no. Shenzhen, China; 20090817, 17 August 2009 (2009-08-17), XP050352661, [retrieved on 2009-08-17]