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(71) Applicant: **Guangdong OPPO Mobile  
Telecommunications Corp., Ltd.**

**Wusha, Chang'an**

**Dongguan**

**Guangdong 523860 (CN)**

(72) Inventors:

- **MCBEATH, Sean Michael**  
**Irving, Texas 75039 (US)**

• **FONG, Mo-Han**

**Ottawa, Ontario K1S3J7 (CA)**

• **CAI, Zhijun**

**Irving, Texas 75039 (US)**

• **EARNSHAW, Andrew Mark**

**Ottawa, Ontario K2K3K1 (CA)**

• **HEO, Youn Hyoung**

**Waterloo, Ontario N2L3W8 (CA)**

(74) Representative: **Finnegan Europe LLP**

**1 London Bridge**

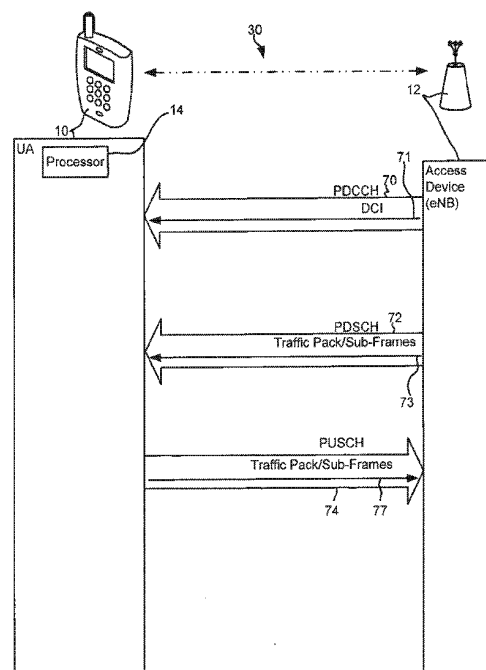
**London SE1 9BG (GB)**

Remarks:

This application was filed on 26-06-2018 as a  
divisional application to the application mentioned  
under INID code 62.

(54) **SYSTEM AND METHOD FOR SHARING A CONTROL CHANNEL FOR CARRIER  
AGGREGATION**

(57) A method for processing a control channel at a user agent (UA) to identify at least one of an uplink and a downlink resource allocated by a resource grant within a multi-carrier communication system wherein resource grants are specified by control channel element (CCE) subset candidates wherein the carriers used for data transmission and reception are configured carriers, the method comprising the steps of receiving activation signals specifying active and deactivated carriers from among the configured carriers, for active carriers (i) identifying a number of CCE subset candidates to decode and (ii) decoding up to the identified number of CCE subset candidates in an attempt to identify the resource grant; and for deactivated carriers, ignoring CCE subset candidates associated with the deactivated carriers.



**Fig. 1**

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