Exhibit "S"

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)   Confirmation No.: 1517
Chunli Wu et al.   )
Serial No.: 13/164,266   )   Group Art Unit: 2476
Filed: June 20, 2011   )   Examiner: Ronald B. Abelson
For: CARRIER AGGREGATION   )
WITH POWER HEADROOM REPORT)

Mail Stop AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

AMENDMENT

In reply to the Office Action dated May 23, 2014 ("Office Action"), please amend the application as follows:

Amendments to the Claims are reflected in the listing of claims, which begins on page 2 of this paper.

Remarks begin on page 9 of this paper.

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (currently amended) A method, comprising:

configuring a user equipment to send a power headroom report control element in an uplink, ~~wherein~~ the power headroom report control element includes a bitmap indicating which power headroom reports are being reported;

receiving the power headroom report control element from the user equipment; ~~and~~

processing the received power headroom report control element based on the configuration of the user equipment; and

processing the received power headroom report control element by processing the bitmap to include bits for power headroom reports for a plurality of secondary cells.

2.   (currently amended) The method of claim 1, ~~further comprising processing the received power headroom report control element,~~ wherein the bitmap is in one of: a MAC subheader and ~~or in~~ a payload.

3.   (currently amended) The method of claim 1, ~~further comprising processing the received power headroom report control element, wherein the bitmap comprises~~ wherein the power headroom report control element includes at least one ~~bit for~~ of: a type 1 power headroom report for a primary serving cell ~~or~~ and a type 2 power headroom report for the primary serving cell.

4.   (currently amended) The method of claim ~~1~~3, wherein the type 1 power headroom report is computed as P_cmax,c minus physical uplink shared channel (PUSCH) power, and the type 2 power headroom report is computed as P_cmax,c minus physical uplink control channel (PUCCH) power minus PUSCH power~~further comprising processing the received power headroom report control~~

~~element, wherein the bitmap comprises bits for power headroom reports for a~~
~~plurality of secondary cells.~~

5. (currently amended) A method, comprising:

preparing a power headroom report control element, based on a trigger configured by a base station, ~~wherein~~ the trigger ~~determines~~ determining when a the power headroom report control element is to be sent in an uplink, ~~wherein~~ the preparing of the power headroom report control element includes incorporating a bitmap indicating which power headroom reports are being reported, the preparing of the power headroom report control element further includes preparing the bitmap to include bits for power headroom reports for a plurality of secondary cells; and

sending the prepared power headroom report control element to the base station.

6. (currently amended) The method of claim 5, wherein the preparing of the power headroom report control element ~~comprises~~ includes preparing the bitmap in one of: a MAC subheader and ~~or in~~ a payload.

7. (currently amended) The method of claim 5, wherein ~~the preparing~~ the power headroom report control element includes ~~comprises preparing the bitmap to include~~ at least one ~~bit for~~ of: a type 1 power headroom report for a primary serving cell ~~or~~ and a type 2 power headroom report for the primary serving cell.

8. (currently amended) The method of claim ~~5~~7, wherein the type 1 power headroom report is computed as P_cmax,c minus physical uplink shared channel (PUSCH) power, and the type 2 power headroom report is computed as P_cmax,c minus physical uplink control channel (PUCCH) power minus PUSCH power ~~wherein the preparing the control element comprises preparing the bitmap to include bits for power headroom reports for a plurality of secondary cells~~.

9. (currently amended) A non-transitory computer readable medium encoded with a computer program that, when executed in hardware, causes the hardware to perform a process, the process comprising:

~~providing~~ configuring a user equipment to send a power headroom report control element in an uplink, ~~wherein~~ the power headroom report control element includes a bitmap indicating which power headroom reports are being reported;

receiving the power headroom report control element from the user equipment; ~~and~~

processing the received power headroom report control element based on the configuration of the user equipment; and

processing the received power headroom report control element by processing the bitmap to include bits for power headroom reports for a plurality of secondary cells.

10.   (currently amended) The non-transitory computer readable medium of claim 9, ~~wherein the process includes processing the received power headroom report control element,~~ wherein the power headroom report control element includes the bitmap in one of: a MAC subheader ~~and~~ or in a payload.

11.   (currently amended) The non-transitory computer readable medium of claim 9, ~~wherein the process includes processing the received power headroom report control element, wherein the bitmap comprises~~ wherein the power headroom report control element includes at least one ~~bit for~~ of: a type 1 power headroom report for a primary serving cell ~~or~~ and a type 2 power headroom report for the primary serving cell.

12.   (currently amended) The non-transitory computer readable medium of claim ~~9~~11, wherein the type 1 power headroom report is computed as P_cmax,c minus physical uplink shared channel (PUSCH) power, and the type 2 power headroom report is computed as P_cmax,c minus physical uplink control channel (PUCCH) power minus PUSCH power ~~wherein the process includes processing the received power headroom report control element, wherein the bitmap comprises bits for power headroom reports for a plurality of secondary cells.~~

13.   (currently amended) A non-transitory computer readable medium encoded with a computer program that, when executed in hardware, causes the hardware to

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