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## (12) United States Patent

#### Chen et al.

#### (54) SYSTEM INFORMATION UPDATES IN BAND WIDTH PART (BWP) SWITCH OPERATION

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- (\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
- (21) Appl. No.: 16/191,465
- (22) Filed: Nov. 15, 2018

#### (65) **Prior Publication Data**

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#### **Related U.S. Application Data**

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- (51) Int. Cl.

H04W 4/00	(2018.01)
H04W 48/10	(2009.01)
H04W 48/12	(2009.01)

## (10) Patent No.: US 10,743,238 B2

#### (45) **Date of Patent:** Aug. 11, 2020

- (52) U.S. Cl. CPC ..... *H04W 48/10* (2013.01); *H04W 48/12* (2013.01)
- (56) **References Cited**

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#### (57) **ABSTRACT**

A user equipment (UE) for wireless communication is configured to perform bandwidth part (BWP) switching operation in response to receiving a system information change indication. The UE receives the system information change indication via a currently active BWP in a BCCH modification period. The system information change indication notifies the UE that contents of system information have been changed. The UE switches from the currently active BWP to an initial active BWP to receive the changed contents of system information which are required for the UE. The UE receives the changed contents of system information via the initial active BWP in a next BCCH modification period that immediately follows the BCCH modification period. The UE updates the system information according to the changed contents.

#### 20 Claims, 10 Drawing Sheets

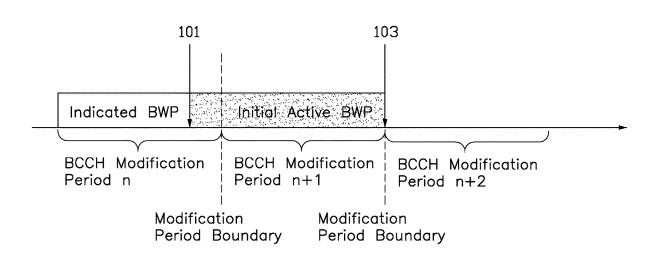
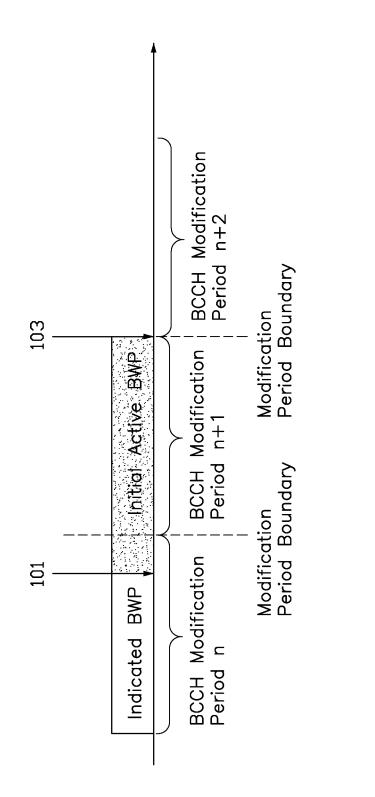


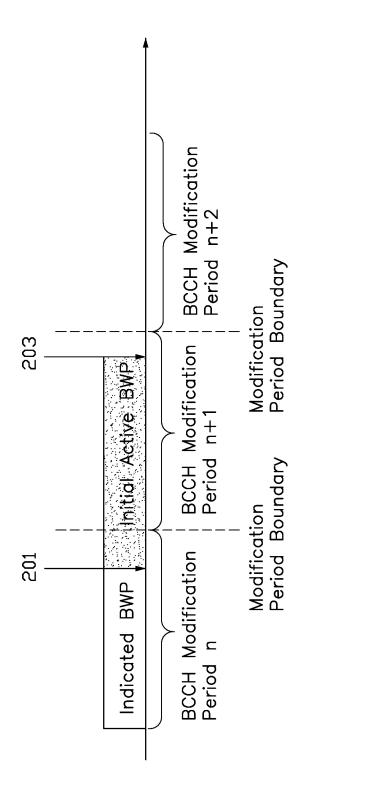
FIG. 1



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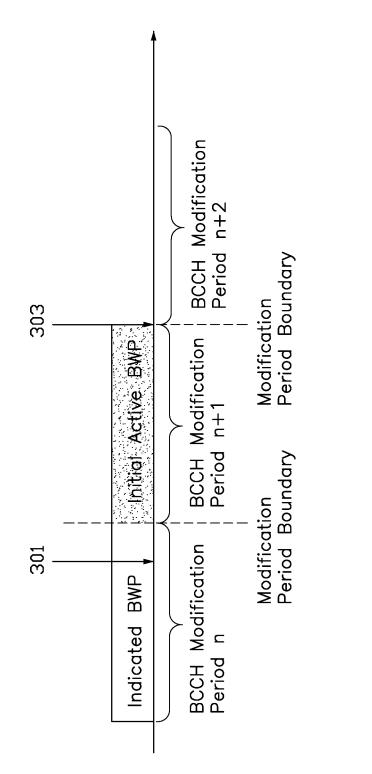
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FIG.



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FIG. 3

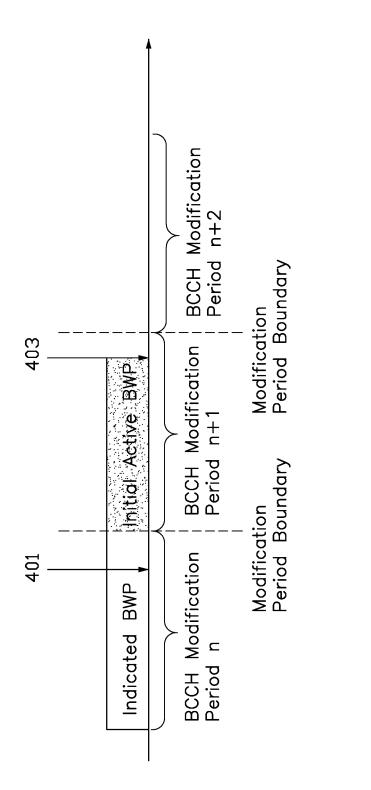


FIG. 4

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