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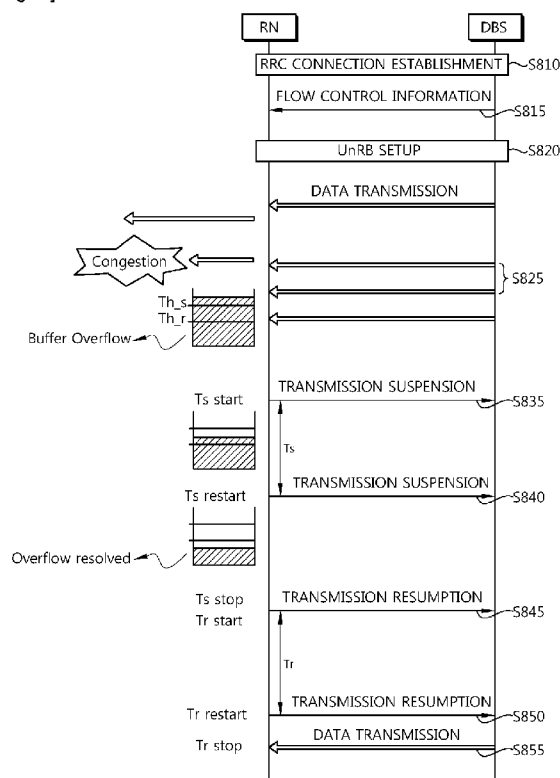
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[Continued on next page]

(54) **Title:** APPARATUS AND METHOD FOR FLOW CONTROL IN WIRELESS COMMUNICATION SYSTEM

[Fig. 9]



(57) **Abstract:** A method and apparatus for flow control in a wireless communication system is provided. The relay node receives from a base station flow control information for a Un interface between the relay node and the base station and determines whether to request to suspend transmission based on the flow control information. The relay node transmits a transmission suspend command to the base station when it is determined to request the transmission suspension.



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**A. CLASSIFICATION OF SUBJECT MATTER*****H04W 28/12(2009.01)i, H04J 11/00(2006.01)i***

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**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) &amp; Keywords: relay node, base station, Un interface, flow control, suspend

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                               | Relevant to claim No. |
|-----------|------------------------------------------------------------------------------------------------------------------|-----------------------|
| X         | US 2008-0049618 A1 (ISHII et al.) 28 February 2008<br>See paragraphs [0022] - [0023], [0128] - [0129]; figure 7. | 1-6,9-12              |
| A         | EP 2066084 A1 (NOKIA SIEMENS NETWORKS OY et al.) 03 June 2009<br>See paragraphs [0008] - [0015]; figure 1.       | 1-14                  |
| A         | US 2009-0003259 A1 (SUNDARESAN KARTHIKEYAN et al.) 01 January 2009<br>See paragraphs [0022] - [0024]; figure 1.  | 1-14                  |
| A         | US 2008-0108355 A1 (OLESZCSUK, ANTONI) 08 May 2008<br>See abstract; figure 8.                                    | 1-14                  |



Further documents are listed in the continuation of Box C.



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| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s)                                                                                                                                                                   | Publication<br>date                                                                                                                      |
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