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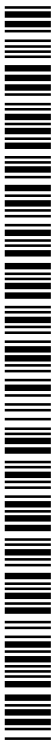
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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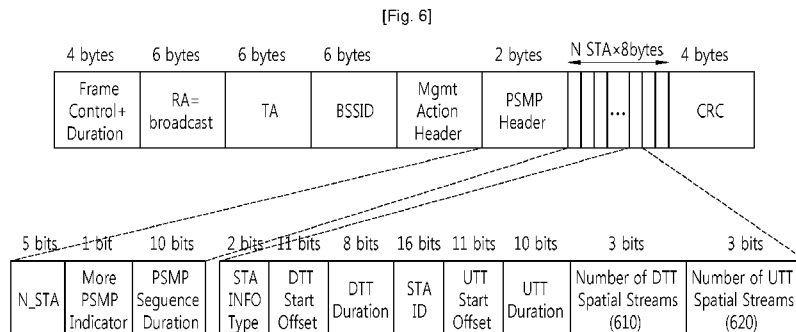
- with international search report (Art. 21(3))
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(54) **Title:** METHOD AND APPARATUS FOR SCHEDULING WIRELESS MEDIUM RESOURCE



(57) **Abstract:** A method and apparatus of scheduling a radio medium access is provided. The method includes transmitting, to a first station, first downlink transmission time information indicating a time scheduled for first downlink transmission for transmitting a data frame to the first station, and transmitting second downlink transmission time information indicating a time scheduled for second downlink transmission for transmitting a data frame to a second station, wherein first downlink spatial stream information indicating the number of spatial streams allocated for the first downlink transmission is transmitted to the first station, second downlink spatial stream information indicating the number of spatial streams allocated for the second downlink transmission is transmitted to the second station, and the time scheduled for the first downlink transmission is equal to the time scheduled for the second downlink transmission.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2010/001859**A. CLASSIFICATION OF SUBJECT MATTER****H04W 72/12(2009.01)i, H04W 74/08(2009.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H04W 72/12; H04J 1/00; H04Q 7/00; H04J 3/16

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) & Keywords: Scheduling, Downlink, Transmission, Access point and similar terms.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2005-0122999 A1 (SHIMON SCHERZER et al.) 09 June 2005 See abstract, Paragraph[0009] - Paragraph[0015], Paragraph[0035] - Paragraph [0059], Figures 2,6.	1-12
A	US 2008-0002733 A1 (ILAN SUTSKOVER) 03 January 2008 See abstract, Paragraph[0008] - Paragraph[0026], Figure 1.	1-12
A	US 2007-0189205 A1 (TERRY et al.) 16 August 2007 See abstract, Paragraph[0009] - Paragraph[0034], Figures 1-2.	1-12

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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