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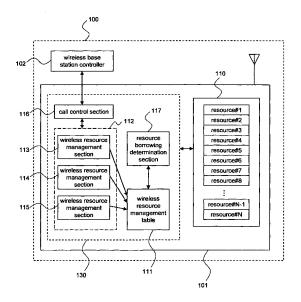
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- (54) Wireless base station apparatus capable of effectivley using wireless resources according to sorts of data
- A wireless base station apparatus according to the present invention has a plurality of wireless resources allocated in correspondence with communication processings on real-time data, non-real-time data and shared data, and a control section. The control section stores a table for recording states of use of the wireless resources, and upon receiving a signal for requesting setting some of the wireless resources for new real-time data, and if no released resource is found by referring to the table, allocates part of wireless resources for communication processing on the shared data to wireless resources for communication processing on the new realtime data, and upon receiving a signal for requesting setting some of the wireless resources for new shared data, and if no released resource is found by referring to the table, allocates part of wireless resources for communication processing on the non-real-time data to wireless resources for communication processing on the new shared data.

FIG.1





## **EUROPEAN SEARCH REPORT**

Application Number EP 08 25 0250

| Category                                 | Citation of document with ir of relevant pass  | ndication, where appropriate,<br>ages   | Rele<br>to cl   | evant<br>laim                                   | CLASSIFICATION OF THE APPLICATION (IPC) |
|--|--|---|---|---|---|
| X<br>A                                   | 3 July 2003 (2003-0<br>* abstract *<br>* paragraphs [0002]   | RUUTU JUSSI [FI] ET A<br>17-03)<br>, [0006] - [0030],<br>0063] - [0073]; figur                          | 2,3,  |   | INV.<br>H04W72/12                       |
| X<br>A                                   | * column 17, lines<br>* column 19, line 4  | 5-22)  - column 6, line 7 * 27-55 * 10-39 * 0 - column 20, line 1 5 - column 32, line 3                 | .7  |   |   |
| A  | 9 November 1999 (19<br>* abstract *<br>* column 1, line 5<br>* column 2, line 65   | NANYING [US] ET AL) 199-11-09) - column 2, line 46 * 1 - column 5, line 7 * 1 - column 9, line 51       | :   |   | TECHNICAL FIELDS<br>SEARCHED (IPC)      |
| A  | WO 97/48201 A1 (MOT<br>18 December 1997 (1<br>* abstract *<br>* page 1, line 5 -   | 997-12-18) page 9, line 32 *  | 1-8   |   |   |
|  | The present search report has  | peen drawn up for all claims  Date of completion of the search  |   |   | Examiner                                |
|  | Munich   | 18 April 2011   | '   | Ber   | tini, Stefano                           |
| X : part<br>Y : part<br>docu<br>A : tech | ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with anotiment of the same category inological background written disclosure | T : theory or prir<br>E : earlier paten<br>after the fillin<br>ner D : document oil<br>L : document oil | t document, k<br>g date<br>ted in the app<br>ed for other r | ring the ir<br>out publis<br>dication<br>easons | vention<br>hed on, or                   |

## ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 08 25 0250

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

18-04-2011

| US 2003123392 A1 03-07-2003 AU 2002367068 A1 30-07-2003 EP 1464145 A1 06-10-2003                                      |
|---|
| CN 1151094 A 04-06-<br>JP 8251237 A 27-09-<br>US 5570355 A 29-10-   |
|   |
|   |
| WO 9748201 A1 18-12-1997 CN 1195438 A 07-10-<br>DE 69736317 T2 02-11-7<br>EP 0850516 A1 01-07-<br>US 5742594 A 21-04- |

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