Title: SYSTEM AND METHOD FOR SCHEDULING WIRELESS CHANNEL RESOURCES FOR A MULTI-USER DEVICE

Abstract: A system and method (10) are provided for enabling and performing scheduling for wireless devices supporting multiple users or devices. The system has a wireless subscriber device (12) that is enabled to support multiple users (21) or devices. The wireless system (10) may operate accordingly to a wireless air interface such as WCDMA, CDMA2000, GSM, or other wireless technology. The wireless device has a message generator (20), which is configured to generate a multi-user message (23). The device (12) transmits the multi-user message (23) to the network (28). The network receives the multi-user message (23) and begins to schedule network resources to the device (12) as a device supporting multiple users.
Declarations under Rule 4.17:
— as to applicant’s entitlement to apply for and be granted a patent (Rule 4.17(ii))
— as to the applicant’s entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:
— with international search report

before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
10 January 2008

For two-letter codes and other abbreviations, refer to the “Guidance Notes on Codes and Abbreviations” appearing at the beginning of each regular issue of the PCT Gazette.
### A. CLASSIFICATION OF SUBJECT MATTER

INV. HO4L12/28

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):

HO4L

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

Electronic data base consulted during the International search (name of data base and, where practical, search terms used):

EPO-Internal

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category*</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
</table>

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

* Special categories of cited documents:

*"A" document defining the general state of the art which is not considered to be of particular relevance

*"E" earlier document but published on or after the international filing date

*"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or of other special reason (as specified)

*"O" document referring to an oral disclosure, use, exhibition or other means

*"P" document published prior to the international filing date but later than the priority date claimed

*"X" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

*"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

*"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

*"&" document member of the same patent family

Date of the actual completion of the International search:

9 November 2007

Date of mailing of the international search report:

16/11/2007

Name and mailing address of the ISA:

European Patent Office, P.B. 5618 Patentlaan 2 NL - 2280 HV Rijswijk
Tel. (+31-70) 940-2040, Tx. 31 651 epo nl, Fax (+31-70) 940-3016

Authorized officer:

Jaskolski, Jaroslaw
<table>
<thead>
<tr>
<th>Patent document cited in search report</th>
<th>Publication date</th>
<th>Patent family member(s)</th>
<th>Publication date</th>
</tr>
</thead>
<tbody>
<tr>
<td>WO 9838753 A</td>
<td>03-09-1998</td>
<td>FR 2760308 A1</td>
<td>04-09-1998</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GB 2326060 A</td>
<td>09-12-1998</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EP 1371176 A1</td>
<td>17-12-2003</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TW 573434 B</td>
<td>21-01-2004</td>
</tr>
<tr>
<td></td>
<td></td>
<td>WO 02069573 A1</td>
<td>06-09-2002</td>
</tr>
<tr>
<td>US 2005265323 A1</td>
<td>01-12-2005</td>
<td>NONE</td>
<td></td>
</tr>
</tbody>
</table>