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(72) Inventors; and

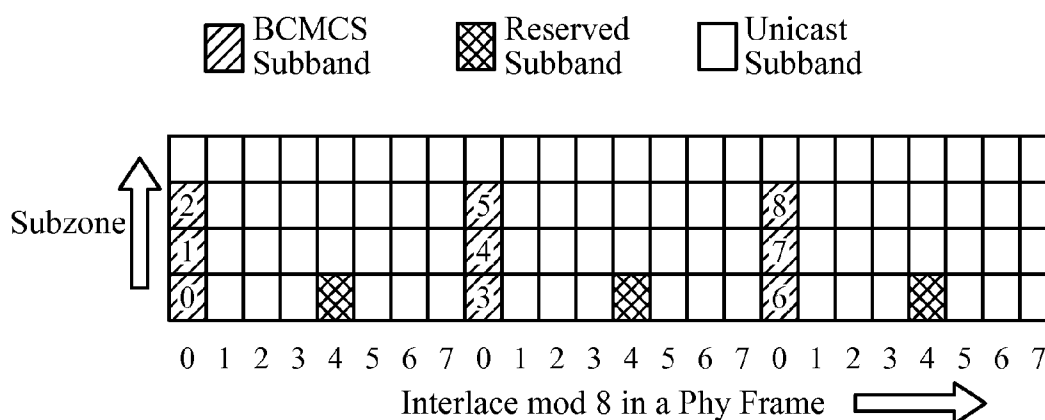
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**Declarations under Rule 4.17:**

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR DETERMINING BROADCAST MESSAGES IN WIRELESS SIGNALS



Indexing BCMCS Subbands

FIG. 4

(57) Abstract: Methods and apparatus for processing and generating broadcast messages determined by a subband and OFDM symbols of frames in which signals are received. Overhead messages indicating resources used by broadcast messages in a wireless communication system are generated. Signals are received over a wireless system and broadcast messages are determined from the signals as designated by a subband and OFDM symbols of frames of an ultraframe in which signals are received.

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— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))* — *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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— *with international search report*

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7 May 2009

# INTERNATIONAL SEARCH REPORT

International application No

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**A. CLASSIFICATION OF SUBJECT MATTER**  
 INV. H04L5/02 H04L27/26

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)  
 H04L H04B H04Q

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**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2006/039812 A (NORTEL NETWORKS LTD [CA]; MA JIANGLEI [CA]; ZHANG HANG [CA]; FONG MO-H) 20 April 2006 (2006-04-20) page 2, line 16 - line 23 page 13, line 1 - line 18 page 14, line 21 - page 15, line 3	1-6, 13-19, 21-26
X	WO 2006/138556 A (QUALCOMM INC [US]; AGRAWAL AVNEESH [US]; PRAKASH RAJAT [US]) 28 December 2006 (2006-12-28) abstract paragraph [0008] paragraph [0028] paragraph [0057] paragraph [0083]	1-6, 13-19, 21-26

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 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

- \*T\* 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.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

15 December 2008

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12/03/2009

Name and mailing address of the ISA/

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## INTERNATIONAL SEARCH REPORT

International application No

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	WO 2006/093379 A (LG ELECTRONICS INC [KR]; AN JONG HOE [KR]; KIM YOUNG JUN [KR]; KYUNG C) 8 September 2006 (2006-09-08) page 1, line 12 - line 18	1-6, 13-19, 21-26
A	US 6 157 815 A (COLLINS DAVID NOEL [US] ET AL) 5 December 2000 (2000-12-05)  abstract column 2, line 56 - column 3, line 16	1-6, 13-19, 21-26

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2008/058071

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1.  As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-6, 13-19, 21-26

### Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-6, 13-19, 21-26

Method/apparatus for determining whether a signal is a boadcast message.  
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2. claims: 7-10

Method of coding a transmission message.  
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3. claims: 11,12, 20

Method/apparatus for generating a resource indicating message.  
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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2008/058071

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# INTERNATIONAL SEARCH REPORT

information on patent family members

International application No

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