Abstract:

A METHOD AND APPARATUS FOR GENERATING \(^{\text{H}}_{\text{GLOBAL}}\) WHEN RL DIVERSITY HOPPING MODE IS OFF IN WIRELESS COMMUNICATION SYSTEM
## PATENT COOPERATION TREATY

### PCT

**DECLARATION OF NON-ESTABLISHMENT OF INTERNATIONAL SEARCH REPORT**

(PCT Article 17(2)(a), Rules 13ter.1 (c) and Rule 39)

<table>
<thead>
<tr>
<th>Applicant's or agent's file reference</th>
<th><strong>IMPORTANT DECLARATION</strong></th>
<th>Date of mailing (day/month/year)</th>
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<td>070 189WO</td>
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<td>International application No.</td>
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<td>PCT/US2006 /042 0.6 4</td>
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<td>27/10/2 005</td>
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<td>H04B1/713</td>
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<tr>
<td>Applicant</td>
<td>QUALCOMM INCORPORATED</td>
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This International Searching Authority hereby declares, according to Article 17(2)(a), that **no international search report will be established** on the international application for the reasons indicated below.

1. [x] The subject matter of the international application relates to:
   a. [ ] scientific theories
   b. [x] mathematical theories
   c. [ ] plant varieties
   d. [ ] animal varieties
   e. [ ] essentially biological processes for the production of plants and animals, other than microbiological processes and the products of such processes
   f. [x] schemes, rules or methods of doing business
   g. [x] schemes, rules or methods of performing purely mental acts
   h. [ ] schemes, rules or methods of playing games
   i. [ ] methods for treatment of the human body by surgery or therapy
   j. [x] methods for treatment of the animal body by surgery or therapy
   k. [x] diagnostic methods practised on the human or animal body
   l. [x] mere presentations of information
   m. [ ] computer programs for which this International Searching Authority is not equipped to search prior art

2. [x] The failure of the following parts of the international application to comply with prescribed requirements prevents a meaningful search from being carried out:
   - [x] the description
   - [ ] the claims
   - [x] the drawings

3. [x] A meaningful search could not be carried out without the sequence listing; the applicant did not, within the prescribed time limit:
   - furnish a sequence listing on paper complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.
   - furnish a sequence listing in electronic form complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.
   - pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation under Rule 13ter.1 (a) or (b).

4. [ ] A meaningful search could not be carried out without the tables related to the sequence listings; the applicant did not, within the prescribed time limit, furnish such tables in electronic form complying with the technical requirements provided for in Annex C-bis of the Administrative Instructions, and such tables were not available to the International Searching Authority in a form and manner acceptable to it.

5. Further comments: see attachment

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Authorized officer
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Form PCT/ISA/203 (April 2005)
1. Claims 1-6 relate to "a method for generating permutation $HijGLOBAL$, when RLDiversityHoppingMode is off, in a wireless communication system."

The terms $HijGLOBAL$ and RLDiversityHoppingMode have no recognised meaning in the field of wireless communication. There is no definition of these parameters offered by the description.

Furthermore, the steps involved in the method refer to other unknown parameters. For example:

- SSWAP-LOCATION
- RLSectorHopeSeed
- RLPHY frame index $j$
- NCTRL-SUBBANDS
- SMIN-CTRL-SUBBANDS
- control segment
- $Hij$ SUBBAND
- BNON-GUARD
- non-guard hop-ports

There is no further information provided in the description or drawings which helps make sense of any of these terms.

2. The subject-matter of the other claims 7 and 8-13 corresponds to that of claims 1-6 and is equally unclear.

3. There is no further subject-matter in the description or drawings on which a search could be based.

4. The non-compliance with the substantive provisions (Article 6 PCT) throughout the claims, description and drawings is to such an extent that no meaningful search could be carried out (Article 17(2) (a) (ii) PCT).

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1 (e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination on the EPO (see EPO Guidelines C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.