Title: PILOT SYMBOL TRANSMISSION IN WIRELESS COMMUNICATION SYSTEMS

Abstract: Pilot symbols transmitted from different sectors of a same base station are multiplied with a same cell specific scrambling code and a first code having low cross correlation and second codes having low cross correlation. The second code is constant over the length of the first code, but may vary for repetitions of the first code.
before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.

Declarations under Rule 4.17:

— as to applicant’s entitlement to apply for and be granted a patent (Rule 4.17(U))
— as to the applicant’s entitlement to claim the priority of the earlier application (Rule 4.17(Hi))

Published:

— with international search report

(88) Date of publication of the international search report: 21 June 2007

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. H04Q7/38 H04B7/06  
ADD. H04J11/00  

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)  
H04Q H04B

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, WPI Data

**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</th>
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| A        | WO 01/89112 A (NOKIA NETWORKS OY [FI]; YLITALO JUHA [FI])  
22 November 2001 (2001-11-22)  
abstract paragraphs [0002], [0006], [0018] | No |
| A        | GB 2 412 541 A (SAMSUNG ELECTRONICS CO LTD [KR]; UNIV EDINBURGH [GB])  
28 September 2005 (2005-09-28)  
page 14, line 7 - line 10  
pages 16, line 17 | No |

**D. Further documents are listed in the continuation of Box C**

"X" See patent family annex

* Special categories of cited documents

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"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

Date of the actual completion of the International search  
19 April 2007

Date of mailing of the international search report  
09/05/2007

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Bossen, Michael
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<th>Patent document cited in search report</th>
<th>Publication date</th>
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