METHOD, APPARATUS AND SOFTWARE PRODUCT FOR COMBINATION OF UL DPCCH GATING AND ENHANCED UL DCH TO IMPROVE CAPACITY

Preparing Traffic Signal for High Speed Transmission

Gating a Control Channel Under Control of E-DCH Transmission

Transmitting the Control Channel Discontinuously

Abstract: A method, apparatus, system, network element and software product are used to provide a traffic signal, such as a voice over internet protocol (VoIP) signal, via high speed packet access. The traffic signal is prepared and provided via a high speed transmission, and a control signal is gated to produce a discontinuous transmission. This reduces interference, and therefore increases traffic capacity.
**INTERNATIONAL SEARCH REPORT**

**International application No.**
PCT/IB2006/001034

### A. CLASSIFICATION OF SUBJECT MATTER

**IPC:** see extra sheet  
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)

**IPC:** H04L  
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE, DK, FI, NO classes as above  
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ, TXTE, INSPEC, COMPDX, XPIEE, XPIETF, XPIPCOM, XPI3E, INTERNET

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

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<td>WO 0199313 A1 (SAMSUNG ELECTRONICS CO, LTD), 27 December 2001 (27.12.2001), claim 25, abstract</td>
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Further documents are listed in the continuation of Box C. See patent family annex.

**Date of the actual completion of the international search**  
27 Sept 2006

**Date of mailing of the international search report**  
29-09-2006

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International patent classification (IPC)
H04Q 7/38 (2006.01)
H04B 7/00 (2006.01)

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Paper copies can be ordered at a cost of 50 SEK per copy from PRV InterPat (telephone number 08-782 28 85).
Cited literature, if any, will be enclosed in paper form.
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