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(71) Applicant (for all designated States except US): **NOKIA CORPORATION** [FI/FI]; Keilalahdentie 4, FIN-02150 ESPOO (FI).

(71) Applicant (for LC only): **NOKIA INC.** [US/US]; 6000 Connection Drive, Irving, Texas 75039 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **STEUDLE, Ville** [FI/FI]; Kokkokatu 42 B, FIN-20100 Turku (FI).

(74) Agents: **MAGUIRE, Francis, J.** et al.; Ware, Fressola, Van Der Sluys & Adolphson LLP, 755 Main Street, P.O. Box 224, Monroe, CT 06468 (US).

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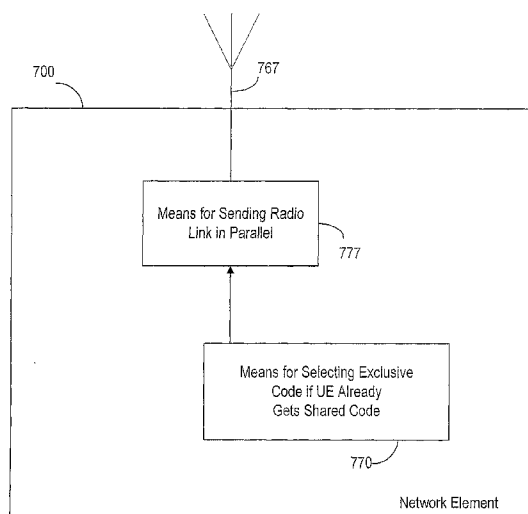
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(54) Title: IMPLEMENTING DOWNLINK CODE MANAGEMENT FOR FRACTIONAL DPCH IN TIMING CONFLICT SITUATIONS



(57) Abstract: A method, apparatus, system, network element and software product are presented for enabling a user equipment to efficiently use downlink codes during soft handover. The user equipment receives radio links in parallel from different base stations. In a code-optimized version, the code of at least one of the radio links is shared with at least one other user terminal during the soft handover. However, exclusive codes are employed for the other radio links to the user equipment. In a network-management-optimized version, exclusive codes are employed for all radio links to the user equipment. In this way, drifting radio links during soft handover can be kept within the receiver window of the user equipment.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB2006/001108

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: H04Q, 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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	EP 1689130 A1 (LG ELECTRONICS INC.), 9 August 2006 (09.08.2006), abstract, [0045]-[0047], [0052]-[0058] --	1-22
E	WO 2006081875 A1 (TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)), 10 August 2006 (10.08.2006), page 1, line 12 - page 2, line 22 --	1-22
P,A	US 20050281222 A1 (KARRI RANTA-AHO ET AL), 22 December 2005 (22.12.2005), abstract --	1-22
A	EP 1341318 A2 (SAMSUNG ELECTRONICS CO., LTD.), 3 Sept 2003 (03.09.2003), abstract --	1-22

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Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. +46 8 666 02 86

Authorized officer

Stefan Dufva/MN
Telephone No. +46 8 782 25 00

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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.
A	US 20020160781 A1 (GUNNAR BARK), 31 October 2002 (31.10.2002), [0032]-[0034] --	1-22
A	US 20040233870 A1 (SERGE WILLENEGGER ET AL), 25 November 2004 (25.11.2004), abstract -- -----	1-22

International patent classification (IPC)**H04Q 7/38** (2006.01)**H04B 7/005** (2006.01)**Download your patent documents at www.prv.se**

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Cited literature, if any, will be enclosed in paper form.

INTERNATIONAL SEARCH REPORT

International application No.

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