



(11) **EP 2 381 612 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:
Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 73

(51) Int Cl.:
H04L 7/04 ^(2006.01) **H04W 74/08** ^(2009.01)
H04W 74/00 ^(2009.01)

(48) Corrigendum issued on:
04.06.2014 Bulletin 2014/23

(45) Date of publication and mention
of the grant of the patent:
26.03.2014 Bulletin 2014/13

(21) Application number: **11165260.8**

(22) Date of filing: **02.07.2008**

(54) **Methods and devices for communicating over a radio channel**

Verfahren und Vorrichtungen zur Kommunikation über einen Funkkanal

Procédés et dispositifs de communication sur un canal de radio

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT
RO SE SI SK TR

(30) Priority: **14.12.2007 US 13788 P**

(43) Date of publication of application:
26.10.2011 Bulletin 2011/43

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
08779404.6 / 2 218 207

(73) Proprietor: **Telefonaktiebolaget L M Ericsson**
(publ)
164 83 Stockholm (SE)

(72) Inventors:
• **Baldemair, Robert**
SE-171 70, Solna
(SE)
• **Astely, David**
SE-16856, Bromma (SE)
• **Abrahamsson, Richard**
SE-741 45, Knivsta (SE)

(74) Representative: **Kühn, Friedrich Heinrich**
Ericsson AB
Patent Unit Radio Networks
Torshamnsgatan 23
164 80 Stockholm (SE)

(56) References cited:
WO-A-2007/052971 GB-A- 2 394 623
US-A1- 2008 080 472

- **LG ELECTRONICS: "RACH DESIGN ISSUES OF LARGE CELL DEPLOYMENT", INTERNET CITATION , 13 October 2006 (2006-10-13), XP002466661, Retrieved from the Internet: URL: 3GPP TSG RAN WG1 Meeting <http://www.3gpp.org/ftp/Specs/html-info/TD oc ExMtg--R1-46b--25946.htm> [retrieved on 2008-01-29]**
- **AMITAVA GHOSH ET AL: "Random Access Design for UMTS Air-Interface Evolution", VEHICULAR TECHNOLOGY CONFERENCE, 2007. VTC2007-SPRING. IEEE 65TH, IEEE, PI, 1 April 2007 (2007-04-01), pages 1041-1045, XP031092788, ISBN: 978-1-4244-0266-3**

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

EP 2 381 612 B8

- LGE: "RACH sequence extension methods for large cell deployment", 3GPP TSG-RAN WG1 MEETING AD HOC LTE, XX, XX, no. R1-062306, 28 August 2006 (2006-08-28) , pages 1-7, XP002422896,