



(11) **EP 2 704 503 A8**

(12) **CORRECTED EUROPEAN PATENT APPLICATION**
published in accordance with Art. 153(4) EPC

(15) Correction information:
Corrected version no 1 (W1 A1)
Corrections, see
Bibliography INID code(s) 72

(51) Int Cl.:
H04W 72/04 ^(2009.01) **H04J 11/00** ^(2006.01)
H04J 13/18 ^(2011.01) **H04J 99/00** ^(2009.01)
H04W 16/28 ^(2009.01) **H04W 28/16** ^(2009.01)

(48) Corrigendum issued on:
14.05.2014 Bulletin 2014/20

(86) International application number:
PCT/JP2012/060682

(43) Date of publication:
05.03.2014 Bulletin 2014/10

(87) International publication number:
WO 2012/147640 (01.11.2012 Gazette 2012/44)

(21) Application number: **12777443.8**

(22) Date of filing: **20.04.2012**

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

- **NOGAMI, Toshizo**
Osaka 545-8522 (JP)
- **IMAMURA, Kimihiko**
Osaka 545-8522 (JP)
- **NAKASHIMA, Daiichiro**
Osaka 545-8522 (JP)

(30) Priority: **27.04.2011 JP 2011099261**

(71) Applicant: **Sharp Kabushiki Kaisha**
Osaka-shi, Osaka 545-8522 (JP)

(74) Representative: **Müller - Hoffmann & Partner**
Patentanwälte
St.-Martin-Strasse 58
81541 München (DE)

(72) Inventors:
• **SHIMEZAWA, Kazuyuki**
Osaka 545-8522 (JP)

(54) **BASE STATION, TERMINAL, COMMUNICATIONS SYSTEM, COMMUNICATIONS METHOD, AND INTEGRATED CIRCUIT**

(57) In a radio communications system in which a base station and a terminal communicate with each other, the base station is capable of efficiently notifying the terminal of control information. The base station forms a cell, and communicates with the terminal. The base station sets monitoring of a second control channel in the terminal through RRC signaling that is higher-layer control information, the second control channel being a control channel different from a first control channel detectable by the terminal regardless of whether the terminal is in connected state or idle state and being detectable by the terminal only in a case where the terminal is in the connected state. The base station transmits control information for the terminal by mapping the control information to the second control channel. The connected state is a state where the terminal holds information concerning a network, and the idle state is a state where the terminal does not hold information concerning a network.

FIG.9

