

(19)



(11)

EP 3 361 806 B8

(12)

CORRECTED EUROPEAN PATENT SPECIFICATION

(15) Correction information:
Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 72

(51) International Patent Classification (IPC):
H04W 72/04 ^(2023.01) **H04W 72/12** ^(2023.01)
H04L 5/00 ^(2006.01) **H04B 7/26** ^(2006.01)

(48) Corrigendum issued on:
28.05.2025 Bulletin 2025/22

(52) Cooperative Patent Classification (CPC):
H04L 5/0053; H04L 5/0094; H04B 7/2603;
H04L 5/0007; H04W 72/23

(45) Date of publication and mention
of the grant of the patent:
16.04.2025 Bulletin 2025/16

(21) Application number: **18151139.5**

(22) Date of filing: **11.01.2018**

(54) **METHOD AND APPARATUS FOR CONTROL CHANNEL TRANSMISSION IN A WIRELESS COMMUNICATION SYSTEM**

VERFAHREN UND VORRICHTUNGEN ZUR STEUERUNG VON KANALÜBERTRAGUNG IN EINEM DRAHTLOSKOMMUNIKATIONSSYSTEM

PROCÉDÉ ET APPAREIL DE TRANSMISSION DE CANAL DE COMMANDE DANS UN SYSTÈME DE COMMUNICATION SANS FIL

(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

(30) Priority: **10.02.2017 US 201762457693 P**

(43) Date of publication of application:
15.08.2018 Bulletin 2018/33

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(56) References cited:
WO-A1-2016/143968 US-A1- 2018 049 165

- **NOKIA ET AL: "On common PDCCH for NR", vol. RAN WG1, no. Athens, Greece; 20170213 - 20170217, 6 February 2017 (2017-02-06), XP051220463, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_88/Docs/> [retrieved on 20170206]**
- **INTEL CORPORATION: "Group Common PDCCH", vol. RAN WG1, no. Athens, Greece; 20170213 - 20170217, 7 February 2017 (2017-02-07), XP051221127, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_88/Docs/> [retrieved on 20170207]**
- **QUALCOMM INCORPORATED: "View on group common PDCCH", vol. RAN WG1, no. Athens, Greece; 20170213 - 20170218, 7 February 2017 (2017-02-07), XP051221483, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_88/Docs/> [retrieved on 20170207]**

EP 3 361 806 B8

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- ERICSSON: "Summary of e-mail discussions on downlink control signaling", vol. RAN WG1, no. Reno, NV, USA; 20161114 - 20161118, 13 November 2016 (2016-11-13), XP051190931, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_87/Docs/> [retrieved on 20161113]