

Title (en)
ON-BOARD APPARATUS AND TRAIN COMMUNICATION SYSTEM

Title (de)
BORDEIGENE VORRICHTUNG UND ZUGKOMMUNIKATIONSSYSTEM

Title (fr)
APPAREIL EMBARQUÉ ET SYSTÈME DE COMMUNICATION DE TRAIN

Publication
EP 3315379 A4 20190327 (EN)

Application
EP 16813700 A 20160622

Priority

- CN 201510367587 A 20150626
- CN 2016086682 W 20160622

Abstract (en)
[origin: EP3315379A1] On-board equipment and a train communication system are disclosed. The on-board equipment includes a wireless communication device, configured to receive a switching instruction from a ground responder; a time management device, configured to determine a wireless time-out time slice after the wireless communication device receives the switching instruction from the ground responder; a storage device, configured to store communication contents between the wireless communication device and the takeover ZC when the wireless communication device pauses communication with the takeover ZC; and a processing device, configured to determine a next movement authority according to the communication contents between the wireless communication device and the takeover ZC, determine whether the current movement authority is connected with the next movement authority, and perform zone switching if a determination result is yes.

IPC 8 full level
B61L 23/14 (2006.01); **B61L 3/00** (2006.01); **B61L 15/00** (2006.01); **B61L 27/00** (2006.01)

CPC (source: EP)
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Citation (search report)

- [A] PAN DENG ET AL: "A New RBC Handover Model for High-Speed Train", DIGITAL MANUFACTURING AND AUTOMATION (ICDMA), 2012 THIRD INTERNATIONAL CONFERENCE ON, IEEE, 31 July 2012 (2012-07-31), pages 108 - 111, XP032235891, ISBN: 978-1-4673-2217-1, DOI: 10.1109/ICDMA.2012.26
- [A] KAI YANG ET AL: "Modeling and Verification of RBC Handover Protocol", ELECTRONIC NOTES IN THEORETICAL COMPUTER SCIENCE, vol. 309, 1 December 2014 (2014-12-01), AMSTERDAM, NL, pages 51 - 62, XP055553184, ISSN: 1571-0661, DOI: 10.1016/j.entcs.2014.12.005
- See also references of WO 2016206584A1

Cited by
CN111874044A; CN112583876A; CN112874577A; CN114620095A

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 3315379 A1 20180502; EP 3315379 A4 20190327; EP 3315379 B1 20240214; CN 105035126 A 20151111; CN 105035126 B 20170613; WO 2016206584 A1 20161229

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