Title (en)
SOFT BUFFER PARTITION FOR SUPERPOSITION CODING

Title (de)
WEICHPUFFERPARTITION ZUR ÜBERLAGERUNGSCODIERUNG

Title (fr)
PARTITION DE MÉMOIRE TAMPON LOGICIELLE POUR CODAGE PAR SUPERPOSITION

Publication
EP 3183833 A4 20170927 (EN)

Application
EP 15875246 A 20151230

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- US 201462097813 P 20141230
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Abstract (en)
[origin: WO2016107570A1] When the codeword level interference cancellation (CW-IC) is used at the receiver in conjunction with the superposition coding scheme at the transmitter, it is helpful if the soft buffer at the receiver is reserved not only for the desired transport blocks (TBs) but also for the interfering TBs handled by the CW-IC. In so doing, the soft channel bits of interfering TBs at multiple (re) transmissions can be combined to enhance the success rate of data decoding. A soft buffer partition method for the soft channel bits of the desired and interfering TBs in the superposition coding scheme is proposed. The proposed method has a full flexibility in adjusting the soft buffer sizes for the desired and interfering TBs.

IPC 8 full level
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CPC (source: EP)
H04L 1/0048 (2013.01); **H04L 1/0067** (2013.01); **H04L 1/1822** (2013.01); **H04L 1/1835** (2013.01); H04L 1/1819 (2013.01)

Citation (search report)
- [XAI] US 2010050034 A1 20100225 - CHE XIANG GUANG [CN], et al
- [A] US 2014050279 A1 20140220 - KISHIYAMA YOSHIHISA [JP]
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- See references of WO 2016107570A1

Designated contracting state (EPC)
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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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