

Title (en)  
OVERHEAD REDUCTION FOR LINEAR COMBINATION CODEBOOK AND FEEDBACK MECHANISM IN MOBILE COMMUNICATIONS

Title (de)  
OVERHEAD-REDUKTION FÜR LINEARES KOMBINATIONSCODEBUCH UND RÜCKKOPPLUNGSMECHANISMUS IN DER MOBILKOMMUNIKATION

Title (fr)  
RÉDUCTION DE SURDÉBIT POUR LIVRE DE CODES À COMBINAISON LINÉAIRE ET MÉCANISME DE RÉTROACTION DANS DES TÉLÉCOMMUNICATIONS MOBILES

Publication  
**EP 3616344 A4 20200701 (EN)**

Application  
**EP 18794540 A 20180502**

Priority  
• US 201762492977 P 20170502  
• US 201762501139 P 20170504  
• US 201815865457 A 20180109  
• CN 2018085369 W 20180502

Abstract (en)  
[origin: WO2018202055A1] Techniques and examples of overhead reduction for linear combination codebook and feedback mechanism in mobile communications are described. A user equipment (UE) receives from a base station of a network one or more reference signals via a communication link between the UE and the base station. The UE constructs a channel state information (CSI) feedback by utilizing a correlation of channel responses in a frequency domain to reduce feedback overhead. The UE then transmits the CSI feedback to the base station.

IPC 8 full level  
**H04L 1/00** (2006.01); **H04B 7/06** (2006.01); **H04L 1/18** (2006.01)

CPC (source: EP)  
**H04B 7/0626** (2013.01); **H04B 7/063** (2013.01); **H04B 7/0641** (2013.01); **H04B 7/065** (2013.01); **H04B 7/0663** (2013.01)

Citation (search report)  
• [XA] US 2016072562 A1 20160310 - ONGGOSANUSI EKO [US], et al  
• [XA] WO 2016068628 A1 20160506 - SAMSUNG ELECTRONICS CO LTD [KR]  
• [XA] US 2012051238 A1 20120301 - AZENKOT YEHUDA [US], et al  
• [XP] WO 2017183905 A2 20171026 - SAMSUNG ELECTRONICS CO LTD [KR]  
• [E] EP 3605868 A2 20200205 - LG ELECTRONICS INC [KR]  
• [XA] ERICSSON: "Type II CSI feedback", vol. RAN WG1, no. Spokane; 20170403 - 20170407, 25 March 2017 (2017-03-25), XP051252230, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/tsg\_ran/WG1\_RL1/TSGR1\_88b/Docs/> [retrieved on 20170325]  
• See references of WO 2018202055A1

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

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BA ME

DOCDB simple family (publication)  
**WO 2018202055 A1 20181108**; CN 109219935 A 20190115; CN 109219935 B 20210723; EP 3616344 A1 20200304; EP 3616344 A4 20200701; TW 201843965 A 20181216; TW I674775 B 20191011

DOCDB simple family (application)  
**CN 2018085369 W 20180502**; CN 201880000873 A 20180502; EP 18794540 A 20180502; TW 107115151 A 20180502