

Title (en)

INTERFERENCE CCANCELLATION OF COLLIDING REFERENCE SIGNALS IN HETEROGENEOUS NETWORKS

Title (de)

INTERFERENZUNTERDRÜCKUNG VON KOLLIDIERENDEN REFERENZSIGNALEN IN HETEROGENEN NETZWERKEN

Title (fr)

ANNULATION DE BROUILLAGE DE SIGNAUX DE RÉFÉRENCE EN COLLISION DANS DES RÉSEAUX HÉTÉROGÈNES

Publication

**EP 2951938 A1 20151209 (EN)**

Application

**EP 13704036 A 20130131**

Priority

EP 2013051945 W 20130131

Abstract (en)

[origin: WO2014117849A1] Receiver (120) and method (700) in a receiver (120), for interference cancellation of colliding reference signals received from network nodes (110, 130) comprised in a heterogeneous wireless network (100), especially but not limited to, a macro-pico scenario. The method (700) comprises detecting (701) colliding reference signals of a first network node (110) and a second network node (130). Further, the method (700) comprises performing (702) channel estimation by cancelling interference caused by the detected (701) colliding reference signals of the second network node (130), from the reference signals of the first network node (110), based on iterative application of a Space Alternating Generalised Expectation and maximisation "SAGE" algorithm.

IPC 8 full level

**H04J 11/00** (2006.01)

CPC (source: EP)

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Citation (search report)

See references of WO 2014117849A1

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Designated extension state (EPC)

BA ME

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**WO 2014117849 A1 20140807**; CN 104247312 A 20141224; EP 2951938 A1 20151209

DOCDB simple family (application)

**EP 2013051945 W 20130131**; CN 201380020178 A 20130131; EP 13704036 A 20130131