Title (en)
PSEUDORANDOM SCHEDULING METHOD AND APPARATUS IN WIRELESS NETWORKS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR PSEUDOZUFÄLLIGEN PLANUNG IN DRAHTLOSEN NETZWERKEN

Title (fr)
PROCÉDÉ ET APPAREIL DE PLANIFICATION PSEUDO-ALÉATOIRE DANS DES RÉSEAUX SANS FIL

Publication
EP 3434054 A4 20190508 (EN)

Application
EP 16895710 A 20160805

Priority
• US 201615078927 A 20160323
• US 2016045886 W 20160805

Abstract (en)
[origin: WO2017164917A1] Random distributions of elements in a power schedule can be used to reduce interference in wireless communication networks with multiple transmitters. A random power schedule may be implemented by determining a first random power schedule for a first base station, wherein the first random power schedule is an orthogonal frequency division multiplexing (OFDM) schedule that associates a random distribution of a plurality of power levels with a corresponding plurality of time and frequency resources, assigning transmissions from the first base station to a plurality of mobile devices to the plurality of time and frequency resources, and transmitting data to the plurality of mobile devices at the respective plurality of power levels.

IPC 8 full level
H04W 72/04 (2009.01); **H04W 52/14** (2009.01); **H04W 52/36** (2009.01)

CPC (source: EP)
H04W 52/143 (2013.01); **H04W 52/36** (2013.01); **H04W 72/0473** (2013.01)

Citation (search report)
• [A] WO 2016003333 A1 20160107 - ERICSSON TELEFON AB L M [SE], et al
• [XI] DA WANG ET AL: "Discrete Power Allocation via Ant Colony Optimization for Multi-Cell OFDM Systems", VEHICULAR TECHNOLOGY CONFERENCE (VTC FALL), 2012 IEEE, IEEE, 3 September 2012 (2012-09-03), pages 1 - 5, XP032294543, ISBN: 978-1-4673-1880-8, DOI: 10.1109/VTCFALL.2012.6398968
• See references of WO 2017164917A1

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)
WO 2017164917 A1 20170928; EP 3434054 A1 20190130; EP 3434054 A4 20190508

DOCDB simple family (application)
US 2016045886 W 20160805; EP 16895710 A 20160805