

Title (en)

METHODS AND APPARATUS FOR INTELLIGENT RECEIVER OPERATION

Title (de)

VERFAHREN UND VORRICHTUNG FÜR INTELLIGENTEN EMPFÄNGERBETRIEB

Title (fr)

PROCÉDÉS ET APPAREIL POUR FONCTIONNEMENT DE RÉCEPTEUR INTELLIGENT

Publication

EP 2798754 A2 20141105 (EN)

Application

EP 13717352 A 20130213

Priority

- US 201261598263 P 20120213
- US 201261705562 P 20120925
- US 2013025978 W 20130213

Abstract (en)

[origin: TW201340625A] Methods and apparatus for adaptively adjusting receiver operation for e.g., power optimization. In one embodiment, operation during diversity operation is adaptively adjusted. Diversity techniques consume significantly more power than non-diversity operation. However, the performance gain from receiver diversity is not always predictable. Consequently, in one embodiment, a device evaluates the overall performance gain contributed by diversity operation and, where the performance gain is insignificant or inadequate, the device disables diversity operation. In one implementation, the device can operate in a static single antenna mode, a dynamic single antenna mode and a dynamic multiple antenna mode.

IPC 8 full level

H04B 7/08 (2006.01); **H04W 52/02** (2009.01)

CPC (source: EP US)

H04B 7/0871 (2013.01 - EP); **H04B 7/0877** (2013.01 - EP); **H04W 52/0209** (2013.01 - US); **H04W 52/0245** (2013.01 - EP); **H04W 52/0238** (2013.01 - EP); **Y02D 30/70** (2020.08 - EP)

Citation (search report)

See references of WO 2013123082A2

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

DOCDB simple family (publication)

EP 2798754 A2 20141105; TW 201340625 A 20131001; TW I479808 B 20150401

DOCDB simple family (application)

EP 13717352 A 20130213; TW 102105615 A 20130218