

Title (en)

MODAL ANTENNA WITH CORRELATION MANAGEMENT FOR DIVERSITY APPLICATIONS

Title (de)

MODELE ANTENNE MIT KORRELATIONSVERWALTUNG FÜR DIVERSITÄTSANWENDUNGEN

Title (fr)

ANTENNE MODALE COMPRENANT GESTION DE CORRÉLATION POUR DES APPLICATIONS DE DIVERSITÉ

Publication

EP 2917967 A4 20161116 (EN)

Application

EP 13853241 A 20130109

Priority

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- US 2013020909 W 20130109

Abstract (en)

[origin: WO2014074129A1] Antenna systems comprising modal antennas for use in diversity and similar schemes include a modal antenna capable of multiple antenna modes wherein a distinct radiation pattern exists for each antenna mode, and a control signal for directing variation of the antenna modes. Methods for designing modal diversity antennas are further disclosed.

IPC 8 full level

H01Q 1/24 (2006.01); **H01Q 3/44** (2006.01); **H01Q 9/14** (2006.01); **H01Q 9/42** (2006.01)

CPC (source: EP)

H01Q 1/243 (2013.01); **H01Q 3/44** (2013.01); **H01Q 5/385** (2015.01); **H01Q 9/145** (2013.01); **H01Q 9/42** (2013.01)

Citation (search report)

- [XYI] WO 2009111511 A1 20090911 - ETHERTRONICS INC [US], et al
- [Y] US 2011116404 A1 20110519 - SHIMIZU MASAHIKO [JP]
- [A] US 2006152411 A1 20060713 - IGUCHI AKIHIKO [JP], et al
- [A] US 2004041733 A1 20040304 - MILOSAVLJEVIC ZLATOLJUB [FI]
- See references of WO 2014074129A1

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)

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DOCDB simple family (application)

US 2013020909 W 20130109; CN 201380059145 A 20130109; EP 13853241 A 20130109; JP 2015541756 A 20130109; JP 2017001954 U 20170428; KR 20157015334 A 20130109