

Title (en)
Antenna array

Title (de)
Antennennetz

Title (fr)
Réseau antenne

Publication
EP 2840649 A1 20150225 (FR)

Application
EP 14180997 A 20140814

Priority
FR 1358090 A 20130820

Abstract (en)
[origin: US2015054700A1] This antenna array includes at least one primary antenna, at least one secondary antenna and at least one load coupled to a secondary antenna. The load includes two separate components, a first component being a resistor and a second component being selected from an inductor or a capacitor. The antenna array can include one or more of the following characteristic features, taken into consideration individually or in accordance with any technically possible combinations: the first component has negative resistance; the second component has negative inductance or a negative capacitance; at least one load has an adjustable impedance. The antenna array may be used in a system, such as a vehicle, a terminal, a mobile telephone, a wireless network access point, a base station, or a radio frequency excitation probe.

Abstract (fr)
L'invention se rapporte à un réseau antenne (10) comprenant : - au moins une antenne (14) primaire, - au moins une antenne (16, 18) secondaire, - au moins une charge (20,22) associée à une antenne secondaire (16, 18), la charge (20, 22) comprenant deux composants distincts, un premier composant étant une résistance et un deuxième composant étant choisi parmi une inductance ou une capacité.

IPC 8 full level
H01Q 1/48 (2006.01)

CPC (source: EP US)
H01Q 1/48 (2013.01 - EP US); **H01Q 21/00** (2013.01 - US)

Citation (applicant)
FR 2949611 A1 20110304 - ECOLE NATIONALE DE L AVIAT CIVILE [FR]

Citation (search report)
• [X] US 7898493 B1 20110301 - ROJAS ROBERTO G [US], et al
• [A] US 2011309994 A1 20111222 - KATO NOBORU [JP], et al

Cited by
US11342676B2; JP2019179957A; WO2019189008A1

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)
EP 2840649 A1 20150225; FR 3009898 A1 20150227; FR 3009898 B1 20150814; US 2015054700 A1 20150226; US 9634401 B2 20170425

DOCDB simple family (application)
EP 14180997 A 20140814; FR 1358090 A 20130820; US 201414464022 A 20140820