

Title (en)
Diversity antenna system

Title (de)
Antennenumschaltungssystem

Title (fr)
Système d'antenne en diversité

Publication
EP 2466684 B1 20190619 (FR)

Application
EP 11193170 A 20111213

Priority
FR 1060498 A 20101214

Abstract (en)
[origin: EP2466684A1] The system (1) has a ground plane (2) on which planar inverted folded antenna (PIFA) type radiating elements (3, 4) and an inter-element decoupling disabling line (9) are arranged. The ground plane is provided with a printed-circuit board, and the disabling line is suspended between the elements. The disabling line is associated to an active component (10) e.g. varicap diode, controllable capacitive load mounted transistor and controllable inductor, having controllable characteristic impedance e.g. voltage controllable characteristic impedance, to control inter-elements decoupling frequency.

IPC 8 full level
H01Q 1/52 (2006.01); **H01Q 9/04** (2006.01); **H01Q 21/28** (2006.01)

CPC (source: EP)
H01Q 1/523 (2013.01); **H01Q 9/0421** (2013.01); **H01Q 21/28** (2013.01)

Citation (examination)

- US 2009027286 A1 20090129 - OHISHI TAKAFUMI [JP], et al
- JP 2006042111 A 20060209 - MATSUSHITA ELECTRIC IND CO LTD

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CN103682626A; CN108899634A; CN104701609A; EP2709209A1; US9077085B2; WO2015144849A1; EP3605734A1; FR3084779A1

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