

Title (en)  
TRANSMITTING/RECEIVING ANTENNA WITH RADIATION DIVERSITY

Title (de)  
SENDE-/EMPFANGSANTENNE MIT STRAHLUNGSDIVERSITÄT

Title (fr)  
ANTENNE D'EMISSION/RECEPTION A DIVERSITE DE RAYONNEMENT

Publication  
**EP 1941580 A1 20080709 (FR)**

Application  
**EP 06820310 A 20061018**

Priority  
• FR 2006051054 W 20061018  
• FR 0553272 A 20051027

Abstract (en)  
[origin: WO2007048958A1] The invention concerns a transmitting/receiving antenna with radiation diversity comprising on a substrate at least first and second radiating elements (10, 11) connected via a network of power supply lines to an electromagnetic signal transmitter/receiver circuit, wherein the network consists of a first power supply line (22) connected to a first radiating element (10) and of an assembly of two second power supply lines (24, 25) each connected via a switching element (D1, D2) to the second radiating element (11) so as to supply the two radiating elements in phase or in opposite phase, the assembly of the two second power supply lines being connected to the first power supply line by a third power supply line (25), the first and third power supply lines being connected via a common power supply line to the electromagnetic signal transmitter/receiver circuit.

IPC 8 full level  
**H01Q 1/38** (2006.01); **H01Q 9/04** (2006.01); **H01Q 13/10** (2006.01); **H01Q 21/06** (2006.01); **H01Q 25/02** (2006.01)

CPC (source: EP US)  
**H01Q 3/38** (2013.01 - EP US); **H01Q 9/0407** (2013.01 - EP US); **H01Q 13/10** (2013.01 - EP US); **H01Q 21/061** (2013.01 - EP US);  
**H01Q 25/02** (2013.01 - EP US)

Citation (search report)  
See references of WO 2007048958A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**WO 2007048958 A1 20070503**; CN 101292394 A 20081022; CN 101292394 B 20130703; EP 1941580 A1 20080709; FR 2892862 A1 20070504; JP 2009514292 A 20090402; JP 4917610 B2 20120418; US 2009121953 A1 20090514; US 7864126 B2 20110104

DOCDB simple family (application)  
**FR 2006051054 W 20061018**; CN 200680039217 A 20061018; EP 06820310 A 20061018; FR 0553272 A 20051027; JP 2008537151 A 20061018; US 8330606 A 20061018