

Title (en)

Error compensating device for an antenna with electronic scanning

Title (de)

Einrichtung zur Kompensation des Richtungsfehlers bei einer Antenne mit elektronischer Ablenkung

Title (fr)

Dispositif de compensation des erreurs de pointage pour une antenne à balayage électronique

Publication

**EP 0664574 B1 19981202 (FR)**

Application

**EP 95400071 A 19950113**

Priority

FR 9400635 A 19940121

Abstract (en)

[origin: EP0664574A1] The device includes distribution of power (3) to a set of phase shifters (2) and antennae (1) which form a phased array. A monitor (21) measures the state (24) of the phase shifters to detect faulty phase shifters. The array is arranged so that each array phase shifter has a symmetrical phase shifter. In the case of a detected fault, the symmetrical phase shifter is positioned (23) with a 180 degrees phase shift offset from the faulty phase shifter. The technique allows phase array errors due to faulty phase shifters to be nulled.

IPC 1-7

**H01Q 3/26**

IPC 8 full level

**H01Q 3/38** (2006.01); **G01S 1/54** (2006.01); **H01Q 3/26** (2006.01)

CPC (source: EP US)

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Cited by

FR2762937A1; US6288673B1; WO9850979A1

Designated contracting state (EPC)

DE FR GB IT

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**EP 0664574 A1 19950726; EP 0664574 B1 19981202**; DE 69506290 D1 19990114; DE 69506290 T2 19990512; FR 2715511 A1 19950728; FR 2715511 B1 19960223; JP 3477884 B2 20031210; JP H07235824 A 19950905; US 5650786 A 19970722

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**EP 95400071 A 19950113**; DE 69506290 T 19950113; FR 9400635 A 19940121; JP 2449495 A 19950120; US 37688695 A 19950120