

Title (en)

Optical control system for an antenna with electronic scanning

Title (de)

Optisches Steuerungssystem für eine Antenne mit elektronischer Ablenkung

Title (fr)

Système de commande optique d'antenne à balayage électronique

Publication

EP 0708491 B1 20000126 (FR)

Application

EP 95402134 A 19950922

Priority

FR 9411498 A 19940927

Abstract (en)

[origin: EP0708491A1] The system includes two light sources (T1,T2) which transmit orthogonal polarisation light beams (F1,F2) through a delay mechanism (DCR). A delay (DCRn) is created for each of the phase shifter elements. A mirror separator (MD1-MDn) separates out the two light polarisations. One set is detected (PDR1,1-n) and the phase shift operates the transmitter (ED1-EDn). The other polarisation delay set passes to a receiver detection circuit (FFC) which operates the receiver phase shifters.

IPC 1-7

H01Q 3/26

IPC 8 full level

H01Q 3/26 (2006.01)

CPC (source: EP)

H01Q 3/2676 (2013.01)

Cited by

DE19956351A1; EP0964476A1; FR2779579A1; EP1096603A1; FR2800202A1; US6313792B1; US6417804B1

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