

Title (en)

PHASE-SHIFTING SYSTEM AND ANTENNA FIELD COMPRISING SUCH A PHASE-SHIFTING SYSTEM

Title (de)

PHASENSCHIEBERANORDNUNG SOWIE ANTENNENFELD MIT EINER SOLCHEN PHASENSCHIEBERANORDNUNG

Title (fr)

DISPOSITIF DEPHASEUR ET CHAMP D'ANTENNES EQUIPE D'UN TEL DISPOSITIF

Publication

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Application

EP 03731650 A 20030123

Priority

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- CH 1122002 A 20020124

Abstract (en)

[origin: WO03063290A2] Disclosed is a phase-shifting system (10) which is used particularly for electrically swiveling the direction of beam of an antenna field comprising several radiators with two planes of polarization. The inventive phase-shifting system comprises two jointly changeable phase shifters (10a,b) with microstrip lines (66, 67) associated thereto. The electrical length of each of said phase shifters (10a,b) can be changed by a dielectric (70) which is slidable above the microstrip lines (66, 67). Such a phase-shifting system offers a simplified design and added functional safety by arranging the microstrip lines (66, 67) of both phase shifters (10a,b) in parallel next to each other and by providing a common slidable dielectric (70) in order to change the electrical length of the microstrip lines (66, 67) of both phase shifters (10a,b).

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CPC (source: EP)

H01P 1/184 (2013.01); **H01Q 3/30** (2013.01); **H01Q 3/32** (2013.01); **H01Q 21/061** (2013.01)

Citation (search report)

See references of WO 03063290A2

Citation (examination)

WO 9637922 A1 19961128 - ALLGON AB [SE], et al

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