Title (en)

Ultrawide bandwidth electromechanical phase shifter

Title (de)

Ultrabreitbandiger elektromechanischer Phasenschieber

Title (fr)

Déphaseur électromécanique à bande ultra-large

Publication

EP 1033773 A1 20000906 (EN)

Application

EP 00301381 A 20000222

Priority

US 26011399 A 19990302

Abstract (en)

The invention is a phase shifter (26) that does not suffer from metallic contact and corrosion problems and that is linear (in high power circuitry/ devices), light weight and inexpensive with minimal insertion and return losses. The phase shifter is a stripline structure comprising a first signal board (34) having an input signal line and an output signal line and a second signal board (36) having a U-shaped signal line. The U-shaped signal line is configured to complete a signal trace between the input signal line and the output signal line when the second signal board is positioned a distance D over the first signal board using a slidable mounting system (31, 32). The distance D is a distance sufficient to enable electrical coupling between the U-shaped signal line and the input and output signal lines. The slidable mounting system allows for variations in the signal trace. <IMAGE>

IPC 1-7

H01P 1/18

IPC 8 full level

H01P 1/18 (2006.01); **H01Q 3/32** (2006.01); **H05B 6/72** (2006.01)

CPC (source: EP)

H01P 1/184 (2013.01)

Citation (search report)

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- [A] EP 0743695 A1 19961120 - SIEMENS AG [DE]
- [XY] PATENT ABSTRACTS OF JAPAN vol. 8, no. 235 (E - 275) 27 October 1984 (1984-10-27)
- [X] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 5 30 April 1998 (1998-04-30)
- [A] PATENT ABSTRACTS OF JAPAN vol. 8, no. 131 (E - 251) 19 June 1984 (1984-06-19)

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DOCDB simple family (publication)

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