

Title (en)
PIN DIODE SWITCH

Publication
EP 0054645 A3 19821201 (DE)

Application
EP 81108177 A 19811009

Priority
DE 3047869 A 19801218

Abstract (en)
[origin: EP0054645A2] 1. A PIN-diode switch having a high blocking attenuation, and an arrangement of two series-connected four-poles (L1, L2) between an input (E) for the signal (U1) to be switched and an output (A), which effect a phase rotation of the signal to be switched, through 90 degrees at the operating frequency, wherein a PIN-diode (D) is inserted as a shunt arm between the connection of the two four-poles (L1, L2) and a common earth line (L12), characterised in that a compensation network (K) is inserted between the input (E) and the output (A) for compensating the residual voltage fed from the input (E) to the output (A) in the case of a conducting PIN-diode (D).

IPC 1-7
H01P 1/15; **H03K 17/74**

IPC 8 full level
H01P 1/15 (2006.01); **H03K 17/74** (2006.01)

CPC (source: EP)
H01P 1/15 (2013.01)

Citation (search report)

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- [A] US 3775708 A 19731127 - SLY T
- [A] PATENT ABSTRACTS OF JAPAN, Band 2, Nr. 13, 28. Januar 1978, Seite 10590, E-77; & JP-A-52 129 263
- [A] PATENT ABSTRACTS OF JAPAN, Band 4, Nr. 157, 4. November 1980, Seite 167, E-32; & JP-A-55 109 019
- [A] PATENT ABSTRACTS OF JAPAN, Band 3, Nr. 9, 26. Januar 1979, seite 116, E-86; & JP-A-53-136 950
- [A] ELEKTRONIK PRAXIS, Nr. 12, Dezember 1972, E. RENZ: "Was wissen Sie über pin-Dioden?" Seiten 14, 16, 18, 20, 22

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DE3534980A1

Designated contracting state (EPC)
AT NL

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EP 0054645 A2 19820630; **EP 0054645 A3 19821201**; **EP 0054645 B1 19851009**; AT E16059 T1 19851015; AU 529008 B2 19830519; AU 7859581 A 19820624; DE 3047869 C1 19820527; YU 296281 A 19840630

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EP 81108177 A 19811009; AT 81108177 T 19811009; AU 7859581 A 19811217; DE 3047869 A 19801218; YU 296281 A 19811216