Title (en)

OPTICAL CIRCUIT FOR OBTAINING A MONITOR SIGNAL

Title (de)

OPTISCHE SCHALTUNG ZUR GEWINNUNG EINES ÜBERWACHUNGSSIGNALS

Title (fr)

CIRCUIT OPTIQUE DESTINE A OBTENIR UN SIGNAL DE SURVEILLANCE

Publication

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Application

EP 99907396 A 19990121

Priority

- EP 9900386 W 19990121
- NL 1008206 A 19980205

Abstract (en)

[origin: WO9940738A1] An optical circuit for obtaining a monitor signal (M2) for the monitoring of an optical switch (1) with input gate (1.3) and two output gates (1.1, 1.2) comprises first and second optical coupling-out means (2, 3) for coupling out first and second coupled-out signals with power levels wich are fractions of the power of optical signals (O1, O2) exiting at the two output gates of the switch. The coupled-out signals are combined in optical combination means (40) into a single optical monitor signal (M1) and emitted at an output gate (50) to detection means (5) for power measurement. By a suitable choice of either the coupling-out fractions of the first and second coupling-out means, or of an asymmetry in the combination means, or both, different power fractions of possibly exiting signals (O1, O2) are present in the monitor signal. By power measurement, at least four switching states are unambiguously distinguishable.

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