

Title (en)

METHOD AND DEVICE FOR THE OPTICAL TRANSMISSION OF ELECTRICAL SIGNALS WITH POSITIVE AND NEGATIVE VOLTAGE VALUES

Publication

EP 0091546 B1 19870520 (DE)

Application

EP 83101590 A 19830219

Priority

DE 3213365 A 19820410

Abstract (en)

[origin: EP0091546A2] 1. Method for the optical transmission of electrical signals with positive and negative voltage values, in which, on the transmitter end, by means of a U/f converter (3), the input-voltage changes are converted into frequency changes and the latter, after the signal transmission via an E/O converter (9), an optical fibre (10) and an O/E converter (11), are reconverted on the receiver end into voltage changes by means of an f/U converter (13), wherein, both in the transmitter and in the receiver, the splitting of the respective electrical input voltage by magnitude and polarity is provided and the polarity information is added to the output signal of the U/f or f/U converter (3 or 13) energized by the respective magnitude signal.

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