

Title (en)

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

Publication

**EP 0091546 A3 19850515 (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.

IPC 1-7

**H04B 9/00**; **G08C 23/00**; **G08C 19/12**

IPC 8 full level

**G08C 23/06** (2006.01); **H04B 10/152** (2006.01)

CPC (source: EP)

**G08C 23/06** (2013.01)

Citation (search report)

- [A] DE 2845598 A1 19790426 - FUJI ELECTRIC CO LTD
- [A] US 2916618 A 19591208 - ADAMS ROBERT T, et al
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Designated contracting state (EPC)

CH FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0091546 A2 19831019**; **EP 0091546 A3 19850515**; **EP 0091546 B1 19870520**; DE 3213365 A1 19831020

DOCDB simple family (application)

**EP 83101590 A 19830219**; DE 3213365 A 19820410