Title (en)
METHOD AND ARRANGEMENT FOR STABILIZING A COLOR CODING METHOD FOR OPTICAL TRANSMISSION OF DATA

Title (de)
VERFAHREN UND ANORDNUNG ZUR STABILISIERUNG EINES FARBKODIERUNGSVERFAHRENS BEI EINER OPTISCHEN ÜBERTRAGUNG VON DATEN

Title (fr)
PROCÉDÉ ET AGENCEMENT DE STABILISATION D'UN PROCÉDÉ DE CODAGE COULEUR LORS D'UN TRANSFERT OPTIQUE DE DONNÉES

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Application
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Abstract (en)
[origin: WO2011098425A1] The invention relates to a method for optically transmitting data between a transmitter and a receiver, wherein a color coding method based on a plurality of elementary colors is provided for encoding and transmitting the data, wherein each elementary color is transmitted by a transmitter-side optical radiation source and is received on the receiver side by an optical radiation receiver. The method provides for transmitting a training request message comprising calibration information formed on the transmitter side; forming a channel properties matrix by the receiver from the calibration information and storing the channel properties matrix in the receiver; calculating at least one compensation information on the basis of a reference channel properties matrix stored in the receiver and the reference channel properties matrix; and transmitting the compensation information from the receiver to the transmitter.

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