

Title (en)

DEVICE FOR CONTROLLING POLARIZATION OF A SIGNAL CARRIED IN THE FORM OF A LIGHT BEAM, AND CORRESPONDING APPLICATION

Title (de)

EINRICHTUNG ZUR STEUERUNG DER POLARISATION EINES IN FORM EINES LICHTSTRAHLS GEFÜHRTEN SIGNALS UND ENTSPRECHENDE ANWENDUNG

Title (fr)

DISPOSITIF DE CONTROLE DE LA POLARISATION D'UN SIGNAL VEHICULE SOUS LA FORME D'UN FAISCEAU LUMINEUX, ET APPLICATION CORRESPONDANTE

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Application

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Abstract (en)

[origin: WO03052496A2] The invention concerns a device for controlling polarization of a signal carried in the form of a light beam. The invention is characterized in that said device comprises: a cell consisting of two substantially mutually parallel support plates and between which is confined a content comprising a polymer wherein are dispersed liquid crystal droplets; means for applying to at least part of the cell content, an electric field substantially perpendicular to the light beam propagation direction such that, depending on whether the electric field is applied or not, at least part of the cell content constitutes a birefringent or isotropic medium respectively.

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