

Title (en)

PROCESS AND DEVICE FOR THE TRANSMISSION OF A LOW DIVERGENCE LIGHT BEAM INSERTED INTO AN OPTICAL FIBRE FOR THE ILLUMINATION OF PIXELS IN AN VIDEO IMAGE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ÜBERTRAGEN EINES ZUM AUSLEUCHTEN VON BILDPUNKTEN EINES VIDEOBILDES VORGESEHENEN, IN EINEN LICHTLEITER EINGEKOPPELTEN LICHTBÜNDELS GERINGER DIVERGENZ

Title (fr)

PROCEDE ET DISPOSITIF POUR TRANSMETTRE UN FAISCEAU LUMINEUX DE FAIBLE DIVERGENCE INJECTE DANS UN GUIDE DE LUMIERE ET DESTINE A ECLAIRER LES POINTS D'IMAGE D'UNE IMAGE VIDEO

Publication

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Application

EP 97920678 A 19970414

Priority

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- EP 9701863 W 19970414

Abstract (en)

[origin: DE19616843A1] In a process for the transmission of a light beam for illuminating pixels in a video image, with the light beam being inserted into an optical fibre (6), with a certain divergence angle and beam diameter determined by the way it is generated and being launched by an optical system (4) used to bundle the transmitted light beam (15) leaving the optical fibre (6), it is proposed to adjust the divergence angle of the light beam (15) leaving the optical fibre (6) proportionally to the divergence angle given by the way it is generated, the proportionality factor being the ratio of the given beam diameter prior to the beam's insertion into the optical fibre (6) to the beam diameter of the light beam launched by the optical system. A video system for carrying out the process has an optical system (4) which is dimensioned accordingly.

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G02B 6/42

IPC 8 full level

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CPC (source: EP US)

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