

Title (en)
FREQUENCY-ADDRESSING MATRIX ROUTING HEAD FOR LIGHT BEAMS

Title (de)
FREQUENZADRESSIERUNGS-MATRIX-ROUTING-KOPF FÜR LICHTSTRAHLEN

Title (fr)
TETE DE MATRICIELLE DE ROUTAGE DE FAISCEAUX LUMINEUX A ADRESSAGE FREQUENTIEL

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Application
EP 06764603 A 20060511

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Abstract (en)
[origin: WO2006125881A1] The invention relates to a device (FIG. 1) for the generation of a light beam matrix (1), supplying for example, the output stage of a digital video projector, by means of a combination of light sources (2), (3) and (4) of weak to moderate power for the three base colours (red, green and blue), of the laser or xenon source type and n x m mirrors (5) of a given size and shape defined as a function of the target application, carrying out the corresponding frequency filtering as a function of the construction of the mirror. The device comprises a number of matrices (6), (7), (8) and (9) of mirror/filters aligned geometrically, for orientation and filtering of the light beams (10) in order to generate a matrix/symbol projection element (1). The device avoids a sweeping function as a result of frequency coding for the position of each projected matrix element. The digital control permits the control of the operation of the light sources as a function of the matrix/symbol display required at a given time t. Said matrix/symbol element is swept across a projection surface in order to generate a complex video image sequence. The system is of application to, for example, top of the range digital cinema and home cinema equipment.

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Citation (search report)
See references of WO 2006125881A1

Citation (examination)
• JP 2001044547 A 20010216 - HAMAMATSU PHOTONICS KK
• WO 03098758 A1 20031127 - OSEIR OY [FI], et al

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