

Title (en)
SPECTROMETRIC MEASUREMENT SYSTEM AND METHOD FOR COMPENSATING FOR FALSE LIGHT

Title (de)
SPEKTROMETRISCHES MESSSYSTEM UND VERFAHREN ZUR KOMPENSATION VON FALSCHLICHT

Title (fr)
SYSTÈME DE MESURE SPECTROMÉTRIQUE ET PROCÉDÉ DE COMPENSATION DE LA LUMIÈRE PARASITE

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Application
EP 07723178 A 20070312

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Abstract (en)
[origin: WO2007115628A1] The present solution relates to a measurement system and a method for determining spectrometric measurement results with a high level of accuracy. The inventive spectrometric measurement system with compensation for false light comprises at least one radiation source, at least one entrance slit, a dispersion element and a detector having detector elements which are arranged in a linear manner or in the form of a matrix on one or more planes. In this case, the detector has a regular distribution of at least two different wavelength-selective filters on its detector elements. Although detectors from photo and video applications are used in this case, use of the invention is not restricted to the visible spectral range. If necessary, some of the colour filters for the pixels may be omitted or modified in the last step of producing the colour camera. However, it is also possible to use other types of detectors in which the wavelength-selective filters and the associated detectors are arranged behind one another on a plurality of planes, in the case of which the full colour information is available to each individual pixel.

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