

Title (en)

OPTICAL SYSTEM WITH SLAVED PUPIL CODING

Title (de)

OPTISCHES SYSTEM MIT GESTEUERTER PUPILLENCODIERUNG

Title (fr)

SYSTEME OPTIQUE A CODAGE DE PUPILLE ASSERVI

Publication

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Application

EP 12733679 A 20120704

Priority

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- EP 2012063049 W 20120704

Abstract (en)

[origin: WO2013007576A1] The general field of the invention is that of optical systems (S) comprising at least one optical objective (Z), a photosensitive detector (D) and an image processing unit (UTI), the optical objective comprising a filter with pupil coding (f), the image processing unit having the function of carrying out a digital filtering of the images arising from the photosensitive detector. In the system according to the invention, the processing unit comprises means (E1, E2, E3) devised so as to process at least one setpoint, the characteristics of the digital filtering applied to the image depending on this said setpoint. The setpoint may originate from external sensors of temperature and/or of pressure or be one of the parameters of the optical objective such as the value of the focal length, the aperture of the iris, the focussing distance sought. The setpoint may also be different for different zones of the image so as to take better account of the variations of the aberrations in the field of the picture-taking objective.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2013007576A1

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DOCDB simple family (publication)

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