

Title (en)

POLARIMETRIC IMAGING SYSTEM HAVING A MATRIX OF PROGRAMMABLE WAVEPLATES BASED ON A MATERIAL WITH AN ISOTROPIC ELECTROOPTIC TENSOR

Title (de)

POLARIMETRISCHES ABBILDUNGSSYSTEM MIT EINER MATRIX PROGRAMMIERBARER VERZÖGERUNGSPLETTEN AUF DER BASIS EINES MATERIALS MIT EINEM ISOTROPEN ELEKTROOPTISCHEN TENSOR

Title (fr)

SYSTEME D'IMAGERIE POLARIMETRIQUE A MATRICE DE LAMES D'ONDE PROGRAMMABLES A BASE DE MATERIAU AVEC UN TENSEUR ELECTRO-OPTIQUE ISOTROPE

Publication

**EP 2092282 A1 20090826 (FR)**

Application

**EP 07821380 A 20071016**

Priority

- EP 2007061014 W 20071016
- FR 0609230 A 20061020

Abstract (en)

[origin: WO2008046820A1] The subject of the invention is a polarimetric imaging system having an optical axis and comprising means (35) for detecting and analysing the light backscattered by an object illuminated by a light source and at least one programmable waveplate (33), characterized in that the programmable waveplate comprises a material with an isotropic electrooptic tensor and a set of at least three electrodes placed along directions parallel to the optical axis of the imaging system.

IPC 8 full level

**G01J 4/04** (2006.01)

CPC (source: EP US)

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