

Title (en)

CONFOCAL SPECTROMETER AND METHOD FOR IMAGING IN A CONFOCAL SPECTROMETER

Title (de)

KONFOKALES SPEKTROMETER UND VERFAHREN ZUR BILDGEBUNG IN EINEM KONFOKALEN SPEKTROMETER

Title (fr)

SPECTROMÈTRE À FOYER COMMUN ET PROCÉDÉ D'IMAGERIE DANS UN SPECTROMÈTRE À FOYER COMMUN

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2013045250A1] The invention relates to a confocal spectrometer, with a broadband light source, a first aperture device with a first slit grid of a main slit direction arranged in front of the light source, which aperture device is designed to produce a slit-shaped pattern of the light source, a first imaging optical unit, which is designed to focus the slit-shaped pattern of the light source on an object to be imaged, and a detector system which has a detector apparatus designed to capture the light reflected by the object for generating a spectrally resolved image of the object, a second imaging optical unit, which is designed to focus the reflected light onto the detector apparatus, and a dispersion element, which is arranged in front of the second imaging optical unit and which is designed to spectrally disperse the light reflected by the object along a dispersion axis perpendicular to the optical axis of the second imaging optical unit.

IPC 8 full level

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