

Title (en)  
PUPILLARY IMAGING SPECTROMETER

Title (de)  
PUPILLENBILDGEBENDES SPEKTROMETER

Title (fr)  
SPECTROMETRE A IMAGERIE PUPILLAIRE

Publication  
**EP 3784998 A1 20210303 (FR)**

Application  
**EP 20710227 A 20200214**

Priority  
• FR 1901658 A 20190219  
• FR 2020050279 W 20200214

Abstract (en)  
[origin: WO2020169905A1] A spectrometer (10) comprises an optic for collecting radiation (1), a mask (2) with a plurality of openings, a pupillary imaging system (3), a spectral-spread-function assembly and a photodetector (7). The pupillary imaging system forms images (PE1, PE2, PE3, ...) of an entrance pupil (PE) of the spectrometer on the photodetector, through the spectral-spread-function assembly. In this way, homogeneity is obtained for the spectral-response function of the spectrometer, relative to heterogeneities in luminance distribution that may exist inside each spatial sample of the scene.

IPC 8 full level  
**G01J 3/02** (2006.01); **G01J 3/28** (2006.01)

CPC (source: EP)  
**G01J 3/0208** (2013.01); **G01J 3/0229** (2013.01); **G01J 3/2823** (2013.01)

Citation (search report)  
See references of WO 2020169905A1

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DOCDB simple family (publication)  
**FR 3092912 A1 20200821**; EP 3784998 A1 20210303; WO 2020169905 A1 20200827

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