

Title (en)  
RETINAL IMAGER DEVICE AND SYSTEM WITH EDGE PROCESSING

Title (de)  
NETZHAUTBILDGEBER UND SYSTEM MIT KANTENVERARBEITUNG

Title (fr)  
DISPOSITIF IMAGEUR RÉTINIEN ET SYSTÈME AVEC TRAITEMENT DE BORD

Publication  
**EP 3509475 A1 20190717 (EN)**

Application  
**EP 17849536 A 20170907**

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Abstract (en)  
[origin: WO2018049041A1] In one embodiment, a machine-vision enabled fundoscope for retinal analysis includes, but is not limited to, an optical lens arrangement; an image sensor positioned with the optical lens arrangement and configured to convert detected light to retinal image data; computer readable memory; at least one communication interface; and an image processor communicably linked to the image sensor, the computer readable memory, and the at least one communication interface, the image processor programmed to execute operations including at least: obtain the retinal image data from the image sensor; generate output data based on analysis of the retinal image data, the output data requiring less bandwidth for transmission than the retinal image data; and transmit the output data via the at least one communication interface.

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