

Title (en)
OPTICAL SENSOR SYSTEM

Title (de)
OPTISCHES SENSORSYSTEM

Title (fr)
SYSTÈME DE DÉTECTION OPTIQUE

Publication
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Application
EP 15790543 A 20151104

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Abstract (en)
[origin: WO2016116181A1] The invention relates to an optical sensor system, which is designed to interact with a mobile computer device, which has at least one light source and at least one camera, wherein the sensor system has at least one incoupling interface for coupling light from the light source of the computer device into the sensor system and at least one outcoupling interface for coupling light from the sensor system out to the camera of the computer device, wherein the sensor system has at least one optical light-guiding path, by means of which the outcoupling interface is optically connected to the incoupling interface, wherein at least one sensor designed to modify the light guided by the light-guiding path according to a physical quantity influencing the sensor system from outside is arranged in the light-guiding path, wherein at least one sensor designed to modify the light guided by the light-guiding path according to an influencing quantity influencing the sensor system from outside is arranged in the light-guiding path, wherein the sensor system has a flatly constructed planar retaining structure, in which the incoupling interface, the outcoupling interface, the elements of the light-guiding path, and the sensor element are structurally integrated and are adjusted in a fixedly specified optical arrangement in relation to each other.

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Citation (search report)
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