

Title (en)

ACTUATOR-SENSOR SYSTEM AND FAST STEERING MIRROR (FSM) HAVING AN ACTUATOR-SENSOR SYSTEM OF THIS TYPE

Title (de)

AKTOR-SENSOR-SYSTEM UND FAST STEERING MIRROR (FSM) MIT DERARTIGEM AKTOR-SENSOR-SYSTEM

Title (fr)

SYSTÈME D'ACTIONNEUR-CAPTEUR ET MIROIR DE DIRECTION RAPIDE (FSM) DOTÉ D'UN SYSTÈME D'ACTIONNEUR-CAPTEUR DE CE TYPE

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Application

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Abstract (en)

[origin: WO2022184214A1] The invention relates to an actuator-sensor system for the controlled diverting or deflecting of electromagnetic radiation (e.g. visible light) in at least one axis (9), comprising an actuator (5) for mechanically moving a deflecting element (10) and a measuring element (2) for sensing the position of the deflecting element (10). The measuring element (2) consists of a flat substrate (3) comprising at least one sensor element (4). The actuator (5) can consist of at least one stationary coil (6, 6') and a movable element (8) with at least one magnet (7, 7'). The invention also relates to a fast steering mirror (FSM) having an actuator-sensor system of this type.

IPC 8 full level

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