

Abstract

An iris diaphragm (1) having an optical axis (O), comprising:

- a fixed ring (RF),
- a mobile ring (RM) designed to rotate about the optical axis with respect to the fixed ring and comprising a plurality n of guidance guideways (GG),
- a plurality of n blades (L) defining an elliptical diaphragm aperture (OE) having a major axis (a) and a minor axis (b), each blade being able to pivot with respect to the fixed ring about a respective axis and comprising a respective mobile pin (PM) able to move in one of the respective guidance guideways (GG) by bearing along the respective guidance guideway,
- a control ring (RC) designed to rotate about the optical axis with respect to the fixed ring and comprising a control guideway (GC) in which one of the mobile pins, referred to as control pin (PC), is able to move by bearing along the control guideway,

a shape of each guidance guideway (GG) on which the respective mobile pin (PM) bears being designed so that a rotation of said control ring (RC) about the optical axis gives rise, via the control pin (PC), to a rotation of said mobile ring (RM) and a movement of the mobile pins (PM) in the guidance guideways (GG) so as to modify an area of the elliptical aperture (OE) without modifying an orientation of the major axis and of the minor axis and without modifying a ratio of the major axis to the minor axis.

FIG.2