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Abstract

Method for Adjusting a Lamp Relative to an Illuminating Beam Path of a Microscope and a Microscope Suitable for Carrying Out the Method

The invention relates to a method for automatic lamp adjustment in a microscope without beam homogenizers in the illuminating beam path and a microscope equipped for the application of the method. According to the invention, the light power in the illuminating beam path is integrally measured with a detector behind the pupil plane of the microscope objective or behind the pupil plane of the illuminating beam path and the lamp is so adjusted relative to the illuminating beam path that the light power, which is detected by the detector, is a maximum. In a microscope, which is suitable for an automated lamp adjustment, for example, after an exchange of the lamp according to the method of the invention, motorized drives are provided for adjusting the lamp. These drives are driven sequentially by an evaluation and control computer until a maximum light power is detected with a detector.

Figure 1