ABSTRACT:

Device for optically scanning a surface.

A device for optically scanning a surface (2) with a focal spot (11) formed by an objective lens (10) is described. The objective lens is electromagnetically suspended in a stationary coil system (14) which can move the objective lens in five degrees of freedom. A radiation beam (21) is formed to a collimated beam (24) *via* a pivotal mirror (22) and a scanning lens (23), which beam can be displaced parallel to itself by rotating the pivotal mirror so as to track the movement of the objective lens. Fig. 1.

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