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Maruyama et al.

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(54) **OPTICAL SCANNER**

(56) **References Cited**

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(57) **ABSTRACT**

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(52) **U.S. Cl.**

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(58) **Field of Classification Search**

CPC G02B 26/121; G02B 5/09; G02B 26/12

USPC 359/216.1–219.2, 850, 855

See application file for complete search history.

The optical scanner comprises: a rotor being attached to one
end part of a rotor shaft; a polygon mirror having reflective
surfaces and being attached to the rotor shaft; and a bearing
section being provided to a stator housing and capable of
rotatably holding the rotor shaft. A recessed part, through
which the rotor shaft is penetrated, is formed in a top part of
the polygon mirror. A retainer section of the rotor shaft, which
is provided in the recessed part, and an elastic member, which
is provided between the retainer section and an inner bottom
part of the recessed part and which always biases the polygon
mirror toward the rotor, are accommodated in the recessed
part together with an end part of the rotor shaft.

4 Claims, 2 Drawing Sheets

