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(71) Applicant: N.V. Philips' Gloeilampenfabrieken
Groenewoudseweg 1
NL-5621 BA Eindhoven(NL)

(72) Inventor: van Amstel, Willem Dirk
c/o INT. OCTROOIBUREAU B.V., Prof.
Holstlaan 6
NL-5656 AA Eindhoven(NL)

(74) Representative: Schouten, Marcus Maria et al
Internationaal Octrooibureau B.V., Prof.
Holstlaan 6
NL-5656 AA Eindhoven(NL)

(54) Device for optically measuring the height of a surface.

(57) An optical height measuring device in accordance with the triangulation principle comprises a first imaging system (20) with which a radiation spot (11) on a surface (10) to be measured is imaged on a screen (30). The radiation spot (11) is formed by causing a beam (2) to be incident on the surface (10). The screen (30) is imaged on a position-sensitive radiation detection system (50) by means of a second imaging system (40). The screen (30) is formed in such a way that radiation coming from the surface (10) and grazing the screen (30) leaves this screen in a substantially perpendicular direction towards the detection system (50). It is thereby achieved that a high correlation of the position of the image (51) on the detection system (50) with respect to the height (ΔZ) of the surface (10) is combined with a substantially perpendicular incidence of radiation on and hence little reflection from the surface of the radiation detection system (50).

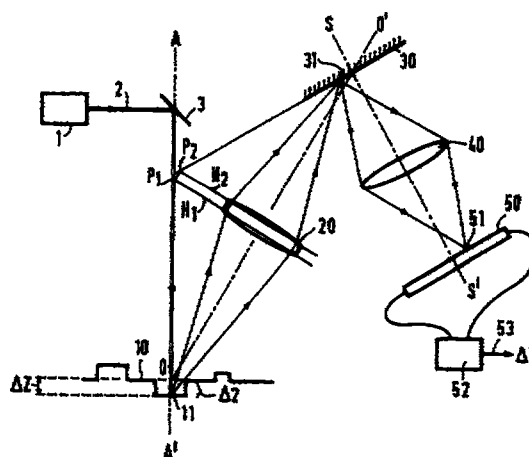


FIG.1