

Title (en)
Lateral position sensing device.

Title (de)
Seitliche Positionstastaturvorrichtung.

Title (fr)
Dispositif pour palper la position latérale.

Publication
EP 0265081 A1 19880427 (EN)

Application
EP 87308351 A 19870921

Priority
GB 8622972 A 19860924

Abstract (en)
A device for sensing the lateral position of the edge of a longitudinally moving web (2) includes a source (1, 4, 5, 16) of light directed laterally onto the edge of the web (2). At least one edge of the light from the source (1, 4, 5, 16) is directed non-normally onto the edge of the web substantially in the plane of the web so that the location of the the edge of the illumination on the edge of the web (2) is dependent upon the distance of the edge of the web (2) from the source (1, 4, 5, 16) and hence upon the lateral position of the edge of the web (2). A sensor system (6, 7, 8, 9) produces a signal which is dependent upon the location of the said edge of the illumination on the edge of the web (2), the signal indicating the lateral position of the edge of the web (2). The source of light (16) may emit a generally parallel sided beam of light, in which case the sensor system (6, 7, 8) senses the location of the edge of the illumination on the edge of the web. Alternatively the source may emit a single converging or diverging beam to illuminate a region of the edge of the web (2), in which case the sensor (6, 7, 8, 9) senses the length of the illuminated region.

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Citation (search report)
[A] US 4157477 A 19790605 - HOFFMAN ALAN R [US], et al

Cited by
EP1391551A4; GB2227238A; EP0685761A1; CN108569582A; US7138036B2; DE102008028532A1

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