

## Title (en)

DEVICE FOR DETERMINING THE RELATIVE POSITION OF TWO SUBSTANTIALLY FLAT ELEMENTS

## Title (de)

VORRICHTUNG ZUR ERMITTLUNG DER RELATIVPOSITION ZWISCHEN ZWEI IM WESENTLICHEN FLÄCHIGEN ELEMENTEN

## Title (fr)

DISPOSITIF DE DETERMINATION DE LA POSITION RELATIVE ENTRE DEUX ELEMENTS ESSENTIELLEMENT PLATS

## Publication

**EP 1924891 A1 20080528 (DE)**

## Application

**EP 06775845 A 20060811**

## Priority

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## Abstract (en)

[origin: WO2007031049A1] The invention relates to a device for determining the relative position in the X-Y plane of two substantially flat elements (2,3), which are arranged at a distance in the Z-direction substantially one above the other, using at least one optical sensor (6-8) which is arranged between the elements, with which at least two points on each of the mutually facing sides of the elements can be sensed, and using an evaluation unit, in which the images of the points are evaluated with respect to their relative position in the X-Y plane. The optical sensor comprises at least one line sensor (7,8), which can be moved relative to the two elements such that the mutually facing sides of the elements can at least in sections be optically scanned in the manner of a scanner.

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## Citation (search report)

See references of WO 2007031049A1

## Citation (examination)

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- WO 2004114217 A2 20041229 - DEK INT GMBH [CH], et al
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- DE 10311821 A1 20040930 - EKRA EDUARD KRAFT GMBH MASCHIN [DE]
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