

Title (en)
Positioning system

Title (de)
Positionierungsanordnung

Title (fr)
Système de positionnement

Publication
EP 1674279 A1 20060628 (EN)

Application
EP 05104914 A 20050607

Priority
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Abstract (en)
A positioning system includes adjustment means (22,32) for accurately positioning a positioning device (10) relative to a frame (14). The adjustment means (22,23) makes a sliding contact with a dedicated lever (20,30) which makes contact with the frame (14). The contact surfaces of the dedicated lever (20,30) are specially shaped in order to obtain a linear behavior of the positioning system. Within a working distance D an equal movement of the adjustment means over a distance #x is converted into a corresponding movement of the positioning device relative to the frame over a distance #y. The ratio #x/#y is substantially constant for movements within the working distance D. When using the positioning system in a printing system, it is possible to measure the position error of printheads having arrays of printing elements only once and adjust the positioning devices carrying the printheads only once to align the printing elements to each other and to the printing direction of the printer.

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• [DA] US 2003128254 A1 20030710 - ISON ROBERT M [GB], et al

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