

Title (en)

Device for stretching and registering printing plates on cylinders of printing machines

Title (de)

Vorrichtung zum passgenauen Spannen von Druckplatten auf dem Plattenzylinder von Druckmaschinen

Title (fr)

Dispositif pour tendre en repérage des plaques d'impression sur les cylindres de machines d'impression

Publication

EP 0631868 B1 19961009 (DE)

Application

EP 94108401 A 19940601

Priority

DE 4321751 A 19930630

Abstract (en)

[origin: US5452659A] A mechanism is provided for adjusting printing plates on plate cylinders in sheet-fed offset printing machines. After the leading and trailing edges of the printing plate have been clamped onto the plate cylinder by clamping bars or attachment devices, the adjusting mechanism is utilized to provide circumferential and axial translation of the printing plate relative to the plate cylinder for registration correction. The adjusting mechanism selectively translates only those attachment devices clamping the edge of the printing plate which require this correction. In the preferred embodiment, the adjusting mechanism is a hand tool with a shank having a handle at one end and a cam at the other. Upon placing the tool at predetermined locations on the plate cylinder and turning the handle, the cam acts on the engagement surfaces of the attachment devices which are pivotable about their longitudinal axis causing circumferential translation of the printing plate. Additionally, the tool can be placed at predetermined locations at the ends of the attachment devices whereby turning of the handle results in axial translation of the attachment devices and the printing plate edge clamped therein.

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