

Title (en)

Device for clamping and tensioning in a plate cylinder of a rotary printing machine

Title (de)

Klemm- und Spannvorrichtung in einem Plattenzylinder von Rotationsdruckmaschinen

Title (fr)

Dispositif de serrage et de tension dans un cylindre porte-plaque d'une machine à imprimer rotative

Publication

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Application

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Priority

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Abstract (en)

[origin: US5495804A] Device for fastening a flexible printing plate on a plate cylinder of a rotary printing press includes a tensioning bar disposed axially parallel with the plate cylinder in a cylinder gap formed in the plate cylinder, a clamping bar swivellably fastened to the tensioning bar, a cam shaft supported in respective end walls of the plate cylinder, a first and a second cam pair carried by the cam shaft, first and second spring assemblies, respectively, cooperating with the first and the second cam pairs, the cam shaft being rotatable in one direction for actuating the first cam pair to shift the tensioning bar via cam rollers and against a force of the first spring assemblies into a printing-plate take-up position, and for actuating the second cam pair to open the clamping bar via pins attached thereto against a force of the second spring assemblies so that a trailing end of the printing plate is insertable into the open clamping bar, the cam shaft being rotatable in a direction opposite to the one direction for initially actuating the second spring assemblies to close the clamping bar and for then actuating the first spring assemblies to shift the tensioning bar into a printing-plate tensioning position.

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