

Title (en)

Apparatus for providing ink feed to printing presses.

Title (de)

Apparat zum Versorgen der Tintenzufuhr an Druckpressen.

Title (fr)

Appareil fournissant une alimentation en encre aux presses d'imprimerie.

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Application

EP 79301768 A 19790829

Priority

US 93978078 A 19780905

Abstract (en)

The invention relates to apparatus for providing ink feed to a printing press. An inking-unit attachment for a printing press includes a fountain roller (30), a ductor roller (32) for rocking movement between the fountain roller (30) and a receiver roller (34) an idler roller (28) in the nip between the receiver roller (34) and an oscillator roller (26), and a pair of form rollers (22) for transferring ink from the oscillator roller (26) to the plate cylinder (20) of the printing press. The receiver (34) and oscillator rollers (26) rotate at different peripheral speeds to provide a skidding action between one or both of such rollers and the idler roller (28) to provide an even distribution and an increased quantity of ink to the oscillator roller. A three-function cam serves to reciprocate the oscillator roller (26), in an axial direction, rock the ductor roller (32) between positions in engagement with the fountain (30) and receiver (34) rollers respectively, and intermittently to drive the fountain roller (30). The form rollers (22) are movable between a position in the nip between the oscillator roller (26) and plate cylinder (20), a position spaced from the plate cylinder (20) and engaged with the oscillator roller (26), and a lift position spaced from both the plate cylinder and oscillator roller. The inking-unit attachment (18) is adapted to be releasably hung on the frame of the printing press (10) and to be driven from the plate-cylinder gear on the printing press through a shaft affixed to the plate-cylinder frame, where the shaft has an overload clutch to guard personnel from injury and the unit from damage

IPC 1-7

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