

Title (en)
CONVERSION OF LETTERPRESS TO OFFSET PRINTING

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Application
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Abstract (en)
[origin: WO8102409A1] A method and apparatus for conversion of a web-fed letterpress unit (10) into a web-fed offset printing press unit (42) having a main frame (12) an internal support such as an internal auxiliary frame (44a, 44b) inside the main frame for receiving cylinders, a pair of offset plate cylinders (46 and 46a) for mounting printing plates thereon, an inking arrangement (16, 18 and 20) for applying films of ink to the plates, and a pair of blanket cylinders (48 and 48a) in close proximity to a position for respective rolling contact with the plates on the plate cylinder and the other blanket cylinder. An offset press gear train (54) is installed outside the frames with the shafts for the cylinders extended through bores (60b, 61b, 62b and 112) provided in the main frame. The offset unit also includes external support such as external auxiliary frame (45) affixed to the outside of the main frame between the main frame and the gear train. Eccentric sleeves (68a, 68b) are installed for bodily swinging cylinders between alternative positions. Eccentric sleeves (68b) on the side of the press unit with the external auxiliary frame extend from the internal auxiliary frame to the external auxiliary frame in one arrangement. In one arrangement, the internal and external supports include individual support brackets affixed to the frame which support offset cylinders including the related sleeves and bearings.

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