

Title (en)
INKING DEVICE WITH AXIALLY RECIPROCATING INKING ROLLER

Publication
EP 0047861 B1 19841212 (DE)

Application
EP 81106269 A 19810812

Priority
DE 3034644 A 19800913

Abstract (en)
[origin: US4397236A] An inking unit for a printing press including a source of ink, a set of ink transfer rollers for establishing an ink film, a distributor roller vibrated endwise for distribution of the ink film and a form roller for applying the ink film to a plate on the plate cylinder. The form roller has a shaft and an outer cylindrical shell, the latter being rotated by surface engagement. A bearing between the shaft and the shell permits relative axial as well as rotational movement. A cam of the cylindrical, or drum, type mounted on the shaft has an endless wavy groove in which is received a cam follower in the form of a roller extending radially inwardly from the sleeve so that the sleeve reciprocates through a single cycle as a result of a single relative rotation of the shaft. The shaft is driven at a speed which causes the frequency of vibration of the form roller to differ from the frequency of vibration of the distributor roller so that the ghost image on the form roller is constantly being displaced and dissipated both peripherally and axially with respect to the image on the plate resulting in substantially ghost-free printing. A clutch is provided for remote switching between two modes of operation.

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IPC 8 full level
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CPC (source: EP US)
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Cited by
EP0267504A3; US5228389A; EP0143240A1; EP0425855A1; EP0668163A3; EP0418778A3; DE102005030127A1; DE102006035713B4; US6578481B1; EP0141058A3; DE4113491A1; US5201270A; WO9105661A1

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