

Title (en)
PRINTING GROUP OF A PRINTING UNIT, CONSISTING OF TWO PRINTING GROUPS WHICH ARE PLACED VERTICALLY ABOVE EACH OTHER, IN A PRINTING MACHINE AND PRINTING UNIT

Title (de)
DRUCKWERK EINER VERTIKAL ÜBEREINANDER MINDESTENS ZWEI DRUCKWERKE AUFWEISENDEN DRUCKEINHEIT EINER DRUCKMASCHINE UND DRUCKEINHEIT

Title (fr)
GROUPE D'IMPRESSION D'UNE UNITE D'IMPRESSION POSSEDANT AU MOINS DEUX GROUPES D'IMPRESSION SITUES VERTICALEMENT L'UN AU-DESSUS DE L'AUTRE DANS UNE PRESSE, ET UNITE D'IMPRESSION

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Abstract (en)
[origin: WO2004080716A1] The invention relates to a printing group of a printing unit, consisting of at least two printing groups which are placed vertically above each other, in a printing machine, comprising a printing cylinder (06) respectively comprising at least one inking roller (33) of an inker unit (27) and a damping roller (34) of a damping system (29) consisting of several rollers (34,37,38) arranged in a successive line and a transfer roller (26) which cooperates with the printing cylinder. The inking cylinder and the damping roller, at least in the operational state thereof when they adjacent to a peripheral surface (07) of the printing cylinder (06), form an obtuse opening angle in a cross-section thereof with the respective centre lines thereof (Z1,Z2) with the printing cylinder. The rollers of the damping system are arranged in such a way that at least the centre points (M34,M38) of at least the first and last roller (34,38) in the roller train of the damping system are arranged inside an acute opening angle departing from the centre point (M26) of the transfer cylinder. A horizontal line (H26) extending through the centre point of the transfer cylinder downwardly defines the opening angle which captures the centre points (M34,38) of the rollers of the damping system, said opening angle being less than 45 DEG . A printing form (06), which is to be mounted on the generated surface (07) of the printing cylinder (06), is fed to the printing cylinder (06) within an obtuse opening angle extending between the damping roller (34) and the inking roller (33).

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