

Title (en)

SHEET-FED PRINTING PRESS AND A METHOD FOR OPERATING A SHEET-FED PRINTING PRESS

Title (de)

BOGENDRUCKMASCHINE UND EIN VERFAHREN ZUM BETREIBEN EINER BOGENDRUCKMASCHINE

Title (fr)

PRESSE D'IMPRESSION À FEUILLES ET PROCÉDÉ DE FONCTIONNEMENT D'UNE PRESSE D'IMPRESSION À FEUILLES

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Application

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Abstract (en)

[origin: WO2021151557A1] The invention relates to a sheet-fed printing press (01) which has a swinging gripper (13) and a downstream accepting drum (14), wherein a swivel gear mechanism (43) is arranged for coupling the two, and wherein an accepting drum gear (46) which is connected fixedly to the shaft of the accepting drum (14) for conjoint rotation is connected via a gear train (51) to a main drive motor (48), and an active compensation actuator (47) is connected to the accepting drum (14), and wherein the active compensation actuator (47) has a rotor and a stator, and the rotor is connected to the accepting drum (14) in a coaxial and/or play-free manner, and relates to a method for operating a sheet-fed printing press (01), wherein a torque can be introduced into the gear train (51) via a compensation axle (54) by means of an active compensation actuator (47), and wherein a transport period is a shortest repeating sequence of angular positions of a machine axle (56), after which sequence the accepting drum (14) again assumes a position which produces an identical effect, and wherein the active compensation actuator (47) is open-loop or close-loop controlled in such a way that a compensation torque (Z2; Z3; Z4) which opposes the main torque is introduced into the gear train (51) at least during a part portion of the respective transport period.

IPC 8 full level

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