Title (en)

Printing group comprising at least two cooperating cylinders

Title (de)

Druckwerk mit mindestens zwei zusammenwirkenden Zylindern

Title (fr)

Groupe d'impression pourvu d'au moins deux cylindres coopérant

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2006111556A2] The invention relates to printing groups comprising at least two cooperating cylinders, each of which is mounted in a bearing unit that radially displaces the respective cylinder. At least one bearing unit is provided with an actuator which is controlled or regulated by a control unit. An inking unit encompassing at least one ink applying roll is provided, at least one of the cylinders and an ink applying roll of the inking unit being optionally placed against each other, and/or a dampening unit comprising at least one moisture applying roll is provided, at least one of the cylinders and a moisture applying roll of the dampening unit being optionally placed against each other. The two ends of at least one ink applying roll of the inking unit and/or the two ends of the at least one moisture applying roll of the dampening unit are mounted in a support bearing that radially displaces the respective ink applying roll or moisture applying roll. The support bearings of the ink applying roll or the moisture applying roll are equipped with at least one actuator, respectively. Said at least one actuator of the support bearings and the at least one respective actuator of the bearing units are remote controlled. The at least one actuator of the bearing unit of the cylinders is embodied as a hydraulic actuator while the at least one actuator of the support bearings of the at least one ink applying roll or the at least one moisture applying roll is configured as a pneumatic actuator. The respective bearing unit of the cylinders is provided with a linear bearing which is guided based on linear elements. A peg embodied on one of the cylinders is rotatably mounted in the respective linear bearing while the linear elements of the respective linear bearing enclose a maximum angle of 15° along with a connecting line or plane that extends through the respective centers of rotation of the cylinders. The at least one actuator of the bearing unit displaces the respective linear bearing along the linear elements in a positioning direction oriented towards the printing material. The respective bearing unit is mounted on an inside of a frame wall of the printing group, said inside facing the respective cylinder.

IPC 8 full level

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