

Title (en)

Conveying device for a sheet-fed rotary printing machine.

Title (de)

Fördervorrichtung für eine Bogenrotationsdruckmaschine.

Title (fr)

Dispositif de transport pour une machine d'impression rotative à feuilles.

Publication

EP 0275882 A2 19880727 (DE)

Application

EP 88100155 A 19880108

Priority

DE 3701767 A 19870122

Abstract (en)

[origin: US4858910A] A conveyor for a sheet-fed rotary printing press for transferring sheets away from an impression cylinder includes a delivery cylinder disposed adjacent the impression cylinder, and a chain conveyor having a plurality of sheet grippers, adapted for moving the grippers about the delivery cylinder for successively engaging sheets on the impression cylinder. The delivery cylinder has a gap in its outer periphery for receiving successive of the sheet grippers during transfer of a sheet from the impression cylinder to the sheet grippers. The sheet grippers each include a support and a pivotable gripper finger, and a displacer mounted on and extending rearwardly of each gripper support for bridging the gap in the delivery cylinder within which the gripper is disposed during a sheet transfer operation, and for maintaining tension in the sheet during transfer from the impression cylinder to the chain conveyor. The displacer is comb shaped having a plurality of rearwardly extending arcuate shaped teeth. A sheet support comb also may be supported on the delivery cylinder with its teeth forwardly extending in intermeshing relation with the teeth of the displacer so as to completely bridge the gap within which the sheet gripper is disposed. Antismear rollers or like elements may be disposed on the teeth of the displacer and the sheet support comb to facilitate smooth transfer of the sheet away from the compression cylinder.

Abstract (de)

Die Erfindung betrifft eine Fördervorrichtung mit Kettenübergabesystemen in einer Bogenrotationsdruckmaschine, bei der die bedruckten Bogen (5) von einem Druckzylinder (1) abgenommen werden und um eine Umlenkkettenräder tragende Abnahmetrommel (2) geführt werden, wobei in einen Teil des Trommelmantels ein Bogenverdränger (3) wirkt. Um den bedruckten Bogen (5) bei verringerter Abschmiergefahr unter Spannung bis zur Aufhebung des Greiferschlusses im nächsten Druckwerk oder der Auslage zu führen, ist ein mit Elementen (18) zum Verhindern des Abschmierens ausgestatteter mechanischer Bogenverdränger (3) an den an umlaufenden Transportketten vorgesehenen Greifersystemen (4, 19) angeordnet.

IPC 1-7

B41F 21/08

IPC 8 full level

B41F 21/08 (2006.01); **B41F 21/10** (2006.01)

CPC (source: EP US)

B41F 21/08 (2013.01 - EP US); **B41F 21/10** (2013.01 - EP US)

Cited by

EP1314556A3

Designated contracting state (EPC)

AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0275882 A2 19880727; **EP 0275882 A3 19891213**; **EP 0275882 B1 19911218**; AT E70495 T1 19920115; DE 3701767 A1 19880804; DE 3701767 C2 19890105; DE 3866881 D1 19920130; JP H0659732 B2 19940810; JP S63193839 A 19880811; US 4858910 A 19890822

DOCDB simple family (application)

EP 88100155 A 19880108; AT 88100155 T 19880108; DE 3701767 A 19870122; DE 3866881 T 19880108; JP 975688 A 19880121; US 14696687 A 19870122