

Title (en)
CONVEYING DEVICE FOR A SHEET-FED ROTARY PRINTING MACHINE

Publication
EP 0275882 B1 19911218 (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.

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)

Citation (examination)
DE 2111049 A1 19720921 - KOENIG & BAUER SCHNELLPRESSFAB

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