

Title (en)
Sheet clamp and release mechanism.

Title (de)
Vorrichtung zum Greifen und Freigeben von Bogen.

Title (fr)
Dispositif pour pincer et relâcher des feuilles.

Publication
EP 0167861 A2 19860115 (EN)

Application
EP 85107209 A 19850611

Priority
JP 10549284 U 19840712

Abstract (en)
A sheet clamp and release mechanism for use in a printer or the like for releasing a sheet of print paper from a platen includes a clamp radially movably mounted on a rotatable cylindrical platen for holding the sheet against an outer peripheral surface of the platen when the clamp is moved radially inwardly toward the platen, a shifter assembly operatively coupled to the platen for shifting the clamp radially outwardly away from the platen when the sheet is to be released from the platen, and guide members disposed adjacent to the outer peripheral surface of the platen for releasing the sheet end from the clamp and platen in response to rotation of the platen. The clamp is composed of a plurality of radially movable displacing members spaced along the platen and a plurality of pressers joined to the displacing members for pressing the sheet down against the platen. The guide members are disposed in circumferential registry with respective slots defined in the displacing members for passing through the slots, respectively, to engage the sheet end to remove the same from the clamp upon rotation of the platen.

IPC 1-7
B41F 21/04; **B65H 5/12**

IPC 8 full level
B41J 13/22 (2006.01); **B41F 21/04** (2006.01); **B41F 21/10** (2006.01); **B41J 13/00** (2006.01); **B65H 5/12** (2006.01); **H04N 1/08** (2006.01)

CPC (source: EP KR)
B41F 21/10 (2013.01 - EP); **B41F 21/04** (2013.01 - EP); **B41J 13/00** (2013.01 - KR); **B41J 21/04** (2013.01 - KR); **B65H 5/12** (2013.01 - EP KR)

Cited by
DE10324330A1; US5503071A; EP0483535A1; EP0722900A3; US5765459A; US6125728A; CN115321156A; EP0488085A1; US5195740A; EP0769376A1; US5839366A; CN1076284C; US7966933B2; US6901858B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0167861 A2 19860115; **EP 0167861 A3 19860723**; **EP 0167861 B1 19890524**; DE 3570393 D1 19890629; JP S6121169 U 19860207; KR 860001550 U 19860305; KR 890002719 Y1 19890429

DOCDB simple family (application)
EP 85107209 A 19850611; DE 3570393 T 19850611; JP 10549284 U 19840712; KR 850007021 U 19850612