

Title (en)  
CLAMPING GRIPPER FOR SHEET-FED ROTARY PRESSES

Publication  
**EP 0261412 B1 19920325 (DE)**

Application  
**EP 87112207 A 19870822**

Priority  
DE 3632769 A 19860926

Abstract (en)  
[origin: US4813353A] A sheet gripper for a rotary press is provided having a hooked gripper finger pivotably connected at its lower end to a clamping element, and a roller disposed upon the gripper finger is biased against the guiding surfaces of a finger support element to ensure smooth changes from open and closed gripper finger positions, substantially without any vibrational motion or displacement resulting in the plane of sheet motion. Preferably, a compression spring is mounted in the clamping element to bias the roller against the gripper support element, the element having a rectilinear guide surface disposed substantially perpendicularly to a retaining surface, and a cam surface which extends upwardly and inclined outwardly from the rectilinear guide surface. Upon oscillation of the gripper shaft, the roller is guided along the rectilinear guide surface and cam surface, thereby defining accurate gripper finger motion.

IPC 1-7  
**B41F 21/04**

IPC 8 full level  
**B41F 21/04** (2006.01); **B41F 21/10** (2006.01); **B65H 5/14** (2006.01)

CPC (source: EP US)  
**B41F 21/04** (2013.01 - EP US); **B41F 21/104** (2013.01 - EP US)

Cited by  
FR2744708A1; DE4214191A1; EP0402615A3

Designated contracting state (EPC)  
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**EP 0261412 A2 19880330; EP 0261412 A3 19900131; EP 0261412 B1 19920325**; AT E74064 T1 19920415; DE 3632769 A1 19880407; DE 3632769 C2 19880915; DE 3777733 D1 19920430; JP S6394846 A 19880425; US 4813353 A 19890321

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