

Title (en)  
Counterbalance and lift mechanism

Title (de)  
Gegengewicht- und Hebemechanismus

Title (fr)  
Contrepoids et mécanisme de levage

Publication  
**EP 0782920 A3 19971022 (DE)**

Application  
**EP 96116475 A 19961015**

Priority  
US 57799695 A 19951222

Abstract (en)  
[origin: US5678485A] An apparatus for supporting a cylinder within a processing unit is provided, the cylinder having a releasable end portion and a removably sleeve mounted thereon. A counterpoise assembly is assigned to one end of the cylinder. The cylinder is supported on both ends by support housings. One of the support housings is supported, during throw-off of the cylinder, by a horizontally movable supporting device. A sliding device is assigned to the supporting device on the respective side frame.

IPC 1-7  
**B41F 13/20**; **B41F 27/10**

IPC 8 full level  
**B41F 13/24** (2006.01); **B41F 13/20** (2006.01); **B41F 13/34** (2006.01)

CPC (source: EP US)  
**B41F 13/20** (2013.01 - EP US); **B41P 2227/20** (2013.01 - EP US)

Citation (search report)

- [DA] US 5237920 A 19930824 - GUARALDI GLENN A [US]
- [DA] US 5301609 A 19940412 - GUARALDI GLENN A [US], et al

Designated contracting state (EPC)  
AT DE FR GB IT NL

DOCDB simple family (publication)  
**US 5678485 A 19971021**; AT E180439 T1 19990615; CA 2190400 A1 19970623; CA 2190400 C 20000125; CN 1093468 C 20021030; CN 1157213 A 19970820; DE 19643568 A1 19970626; DE 59601992 D1 19990701; EP 0782920 A2 19970709; EP 0782920 A3 19971022; EP 0782920 B1 19990526; HK 1001124 A1 19980529; JP 3863953 B2 20061227; JP H09183209 A 19970715

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**US 57799695 A 19951222**; AT 96116475 T 19961015; CA 2190400 A 19961115; CN 96114181 A 19961220; DE 19643568 A 19961022; DE 59601992 T 19961015; EP 96116475 A 19961015; HK 98100033 A 19980105; JP 33967696 A 19961219