

Title (en)
Feeding device.

Title (de)
Zuführvorrichtung.

Title (fr)
Dispositif d'alimentation.

Publication
EP 0398259 B1 19941019 (EN)

Application
EP 90109151 A 19900515

Priority
JP 12181289 A 19890515

Abstract (en)
[origin: EP0398259A2] A feeding device according to the invention, comprising: a cassette (26, 27) capable of being mounted in and removed from the main body of a copying machine to which the feeding device is adapted; a pivotal paper holding plate (34) which is disposed within the cassette and capable of being raised; a lift member (40) for raising the pivotal paper holding plate (34), disposed under the pivotal paper holding plate (34) so as to pivot on a vertical plane; a rotary lift-up member (60) for allowing the lift member (40) to pivot thereon, the lift member (40) being secured to the rotary lift-up member (60); a driving device (42) for transmitting a driving force to the rotary lift-up member (60); and a coupling device (44, 45) interposed in the driving device (42), for effecting and suspending the transmission of the driving force for rotating the rotary lift-up member (60), wherein when the cassette (26, 27) is taken out from the main body, the lift member (40) pivots downward due to its own weight, thereby releasing the pivotal paper holding plate (34) from its raised condition. With such an arrangement, even if the cassette (26, 27) is taken out from the main body when the pivotal paper holding plate (34) is in its raised condition, the paper feeding end of the pivotal paper holding plate (34) can be prevented from touching with the paper feed mechanism disposed within the main body, thereby avoiding damage to the contacted parts.

IPC 1-7
B65H 1/14; **G03G 15/00**

IPC 8 full level
B65H 1/04 (2006.01); **B65H 1/14** (2006.01); **B65H 1/26** (2006.01); **G03G 15/00** (2006.01)

CPC (source: EP)
B65H 1/04 (2013.01); **B65H 1/14** (2013.01); **G03G 15/6502** (2013.01)

Cited by
EP0469551A1; US5172901A

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0398259 A2 19901122; **EP 0398259 A3 19910925**; **EP 0398259 B1 19941019**; DE 69013392 D1 19941124; DE 69013392 T2 19950511; JP 2534769 B2 19960918; JP H02300030 A 19901212

DOCDB simple family (application)
EP 90109151 A 19900515; DE 69013392 T 19900515; JP 12181289 A 19890515