

Title (en)

Device for feeding record carriers to the platen of an office machine.

Title (de)

Vorrichtung zum Zuführen von Aufzeichnungsträgern zur Schreibwalze einer Büromaschine.

Title (fr)

Dispositif d'alimentation de supports d'information vers le rouleau d'une machine de bureau.

Publication

**EP 0179944 A1 19860507 (DE)**

Application

**EP 84113191 A 19841102**

Priority

EP 84113191 A 19841102

Abstract (en)

1. Device for selectively feeding objects (114) to the platen roller (116) of an office machine, said objects serving as substrates for information recording and being stacked in two or more magazines (111) to (113), to each of which a single object feeder is assigned, said feeder having a shaft (12), each of these shafts being drivingly connectable to a gear element (42) via a controllable coupling unit (10) which gear element can be coupled to the platen roller (116), each coupling unit being capable of being activated individually, by rotation through different, predetermined angles during a reverse rotation of the platen roller (116), and each coupling unit (10) has a driving dog (52) which is mounted on a drive wheel (44, 44', 44'') and establishes the connection that can transmit drive power, said drive wheel being coupled to the gear element (42), and said driving dog (52) being capable of being coupled to said shaft (12) during the first-mentioned reverse rotation of the platen roller (116), coupling being effected via connecting elements while the rotation matches the predetermined rotation angle (68), these connecting elements comprising a lever (20) which can be captured and propelled by the driving dog (52) during forward rotation of the platen roller (116), and further comprising a control element (28) cooperating with said lever (20) and is connectable to said shaft (12) for rigid rotation therewith, characterized in that the control element on the lever (20) is designed in the form of a pawl (28) which, with said lever, constitutes a ratchet-type coupling, and which can be moved by the driving dog (52) into a position such that it engages with a toothed drum (14) which is connected to the single-object feed shaft (12) for rigid rotation.

Abstract (de)

Jedem von drei Magazinen (111, 112, 113) ist eine Vereinzelungsvorrichtung zugeordnet, von denen jede über eine steuerbare Kupplungseinrichtung (10, 10', 10'') mit einer Schreibwalze (116) antriebsmässig verbindbar ist. Jede Kupplungseinrichtung (10, 10', 10'') ist durch unterschiedliche Drehwinkel bei einer Rückwärtsdrehung der Schreibwalze (116) einzeln ansteuerbar. Durch die Rückwärtsdrehung um einen bestimmten Drehwinkel erfolgt eine Kupplung zwischen einem antriebsseitig angeordneten Mitnehmer (52) und einem abtriebsseitig angeordneten Klinkenhebel (20), welcher, durch den Mitnehmer (52) angesteuert, in ein mit der Vereinzelungsvorrichtung verbundenes Klingenrad (14) eingreift. Die Zuführung des Blattes (114') erfolgt bei einer Vorwärtsdrehung der Schreibwalze (116). Eine solche Vorrichtung gestattet mit relativ wenig Kupplungselementen auszukommen, wobei die Ansteuerung ausschließlich durch die Schreibwalze erfolgt.

IPC 1-7

**B41J 13/00; B65H 3/06**

IPC 8 full level

**B41J 13/10** (2006.01); **B65H 3/06** (2006.01)

CPC (source: EP)

**B41J 13/103** (2013.01); **B65H 3/0661** (2013.01); **B65H 3/0669** (2013.01)

Citation (search report)

- [A] GB 2132591 A 19840711 - CENTRONICS DATA COMPUTER
- [AD] DE 2950707 A1 19800925 - STEINHILBER HELMUT
- [A] CH 493889 A 19700715 - ZENTRONIK BETR KARL MARX STADT [DE]
- [A] DE 297039 C
- [A] EP 0101841 A2 19840307 - IBM [US]
- [A] DE 3243537 A1 19830609 - KONISHIROKU PHOTO IND [JP]

Cited by

DE3512419A1; DE3512419C2

Designated contracting state (EPC)

CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0179944 A1 19860507; EP 0179944 B1 19890809; DE 3479305 D1 19890914**

DOCDB simple family (application)

**EP 84113191 A 19841102; DE 3479305 T 19841102**