

Title (en)
Ink ribbon cartridge with rechargeable ink ribbon spools.

Title (de)
Farbbandkassette mit nachladbaren Farbbandspulen.

Title (fr)
Cassette à ruban encreur avec bobines à ruban encreur rechargeables.

Publication
EP 0447787 B1 19950517 (DE)

Application
EP 91101823 A 19910209

Priority
DE 4009056 A 19900321

Abstract (en)
[origin: EP0447787A2] For reasons of environmental protection, ink ribbon cartridges have hinged lids in order to be able to exchange the ink ribbon spools after use. In this case, it is necessary to disengage the receiving spool mounted rotatably on a swivel lever from a drivable pin wheel. These rechargeable ink ribbon cartridges have the disadvantage that the ink ribbon can only be wound up without interference if the bearing axle for the receiving spool is arranged perpendicular to the bottom plate of the cartridge. If this is not the case, the ink ribbon is wound up in the form of a bale and the receiving spool on the bearing axle is displaced to the extent that the lid rises. These disadvantages are avoided according to the invention due to the fact that the core (28) of the receiving spool (27) is mounted on the bearing axle (25) with radial play and that the bearing axle (25) has at its free end a blocking projection (32) which is constructed radially on one side and against which a circumferential stop edge (32), which is arranged concentrically to the bearing bore (34) in the core (28) of the receiving spool (27), rests resiliently in the engaged position of the pin wheel (29) with the outer coil of the receiving spool (27) in such a way that displacement of the receiving spool (27) against the lid (5) is blocked when the excess radial play has been pressed out between the bearing axle (25) and the bearing bore (34). This reliably guarantees that the ink ribbon is wound up without interference even in the case of small variations in tolerance and inaccuracies in manufacture. <IMAGE>

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