

Title (en)

PEN FOR APPLYING COLOURED OR CORRECTION FLUID

Title (de)

STIFT ZUM AUFTRAGEN VON FARB- BZW. KORREKTURFLÜSSIGKEIT

Title (fr)

STYLO POUR APPLIQUER DES FLUIDES DE COULEUR OU DE CORRECTION

Publication

EP 0858401 B1 19990526 (DE)

Application

EP 96933261 A 19961018

Priority

- AT 9600202 W 19961018
- CH 297795 A 19951020
- CH 323695 A 19951115

Abstract (en)

[origin: WO9715460A1] The invention relates to a pen for applying coloured fluid having a casing section (1) which has an outlet opening (3) for the coloured fluid, which opening can be closed by a valve. The valve comprises resilient means with at least one leaf spring (6, 6') or a disc spring and a guide member (4) pressed by the resilient means against a ball (5) which is acted upon in the direction of the outlet opening (3). When the pen point is pressed against a base, the ball (5) moves into an open position. The advantage of using leaf or disc springs (6; 6') is that these springs are easy to install, and moreover can be made of plastic and, in particular, produced with the guide member (4) to form a single part.

IPC 1-7

B43M 11/08; **B43K 1/08**

IPC 8 full level

B43L 19/00 (2006.01); **B43K 1/08** (2006.01); **B43K 7/10** (2006.01); **B43M 11/08** (2006.01)

CPC (source: EP US)

B43K 1/088 (2013.01 - EP US); **B43M 11/08** (2013.01 - EP US)

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI NL

DOCDB simple family (publication)

WO 9715460 A1 19970501; AT E180444 T1 19990615; BR 9611154 A 19990406; DE 59602026 D1 19990701; EP 0858401 A1 19980819; EP 0858401 B1 19990526; ES 2136429 T3 19991116; JP H11513625 A 19991124; MX 9803005 A 19980930; US 5971648 A 19991026

DOCDB simple family (application)

AT 9600202 W 19961018; AT 96933261 T 19961018; BR 9611154 A 19961018; DE 59602026 T 19961018; EP 96933261 A 19961018; ES 96933261 T 19961018; JP 51612997 A 19961018; MX 9803005 A 19980416; US 5175798 A 19980420