

Title (en)

Feltpen with separated filling device

Title (de)

Filzschreiber mit separater Nachfüllvorrichtung

Title (fr)

Crayon feutre avec un système de remplissage séparé

Publication

EP 0638442 B1 19970502 (DE)

Application

EP 94111542 A 19940723

Priority

- DE 4326781 A 19930810
- DE 9319002 U 19931210

Abstract (en)

[origin: EP0638442A1] A felt-tipped pen (1) has, in its upper end surface, an insert (6) made from resilient material. By means of an injection needle (10) of a refilling device(7), this insert (6) can be perforated and ink can then be introduced from a chamber (9) of the refilling device (7) into the felt-tipped pen (1) by compression of a hollow body (8). <IMAGE>

IPC 1-7

B43K 11/00; **B43L 25/00**

IPC 8 full level

B43K 11/00 (2006.01); **B43L 25/00** (2006.01)

CPC (source: EP)

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Cited by

KR100489249B1; CN109050067A

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DOCDB simple family (publication)

EP 0638442 A1 19950215; **EP 0638442 B1 19970502**; AT E152402 T1 19970515; DE 59402591 D1 19970605; DK 0638442 T3 19971013; ES 2102738 T3 19970801; SG 49355 A1 19980518

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