

Title (en)

WRITING DEVICE WITH WRITING FLUID FREELY CONTAINED IN A RESERVOIR

Title (de)

SCHREIBGERÄT MIT IN EINEM BEHÄLTER FREI AUFGENOMMENER SCHREIBFLÜSSIGKEIT

Title (fr)

INSTRUMENT D'ECRITURE, A LIQUIDE D'ECRITURE CONTENU LIBREMENT DANS UN RESERVOIR

Publication

EP 0584149 B2 20040623 (DE)

Application

EP 92910005 A 19920430

Priority

- DE 9200361 W 19920430
- DE 4115685 A 19910514

Abstract (en)

[origin: US6095707A] PCT No. PCT/DE92/00361 Sec. 371 Date Nov. 12, 1993 Sec. 102(e) Date Nov. 12, 1993 PCT Filed Apr. 30, 1992 PCT Pub. No. WO92/20530 PCT Pub. Date Nov. 26, 1992A writing utensil has a container with an opening for receiving a writing liquid and a writing tip. An at least partially capillary conveying line is provided and connected between the opening of the container and the writing tip for conveying the writing liquid from the container to the writing tip. The conveying line completely fills the opening. A capillary storage directly communicates with the conveying line. The average capillary effect of the capillary storage is smaller than the average capillary effect of the conveying line, at least in the opening.

IPC 1-7

B43K 8/06

IPC 8 full level

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CPC (source: EP US)

B43K 8/06 (2013.01 - EP US)

Citation (opposition)

Opponent :

- DE 1269010 B 19680522 - PLATINUM PEN CO LTD
- DE 1511395 C3 19730906 - TEXTRON INC [US]
- JP S4836844 U 19730504
- DE 1461588 B2 19710114 - DAINIHON BUNGU CO LTD [JP]
- DE 1885449 U 19640102 - SCHAUERTE HELMUT [DE]
- DE 2808910 A1 19790906 - MUTSCHLER FA PHILIPP

Cited by

EP1066982A1; US6322269B1; US6632041B1; US6695517B2; US7101104B2

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US 15008593 A 19931112; DE 4115685 A 19910514; DE 59206713 T 19920430; DE 9200361 W 19920430; EP 92910005 A 19920430; ES 92910005 T 19920430; JP 50948592 A 19920430