

Title (en)

FILLING DEVICE COMPRISING LATERAL FILLING WINDOWS

Title (de)

FÜLLEINRICHTUNG MIT LATERALEN FÜLLFENSTERN FÜR EIN SCHREIBGERÄT

Title (fr)

DISPOSITIF DE REMPLISSAGE AVEC FENETRES DE REMPLISSAGE LATERALES

Publication

**EP 1470002 A2 20041027 (DE)**

Application

**EP 03702321 A 20030110**

Priority

- DE 0300054 W 20030110
- DE 10201318 A 20020115

Abstract (en)

[origin: WO03059646A2] The invention relates to a filling device for a writing instrument comprising a reservoir (6, 6a) which is arranged in a housing (1; 8, 7) and which receives a refillable liquid. A wick-type section of a writing tip (2) arranged freely on an end (7) of the housing (1) protrudes into said reservoir (6). A filling connection element (4) for the liquid can be mounted on the other end (8) of the housing (1), and a mobile dosing cap (5) is provided on said filling connection element (4), for freeing at least one filling opening (14, 14a, 11) for the supply of liquid before said dosing cap reaches its end position.

IPC 1-7

**B43K 11/00**

IPC 8 full level

**B43K 5/14** (2006.01); **B43K 8/02** (2006.01); **B43K 11/00** (2006.01)

CPC (source: EP US)

**B43K 5/14** (2013.01 - EP US); **B43K 11/005** (2013.01 - EP US)

Citation (search report)

See references of WO 03059646A2

DOCDB simple family (publication)

**WO 03059646 A2 20030724**; **WO 03059646 A3 20040304**; AU 2003205515 A1 20030730; AU 2003205515 A8 20030730; CN 1777514 A 20060524; DE 10201318 A1 20030731; DE 10201318 B4 20040304; DE 10390067 D2 20050407; EP 1470002 A2 20041027; JP 2005514249 A 20050519; PL 369764 A1 20050502; RU 2004124843 A 20050710; US 2005069374 A1 20050331; US 7246638 B2 20070724

DOCDB simple family (application)

**DE 0300054 W 20030110**; AU 2003205515 A 20030110; CN 03802280 A 20030110; DE 10201318 A 20020115; DE 10390067 T 20030110; EP 03702321 A 20030110; JP 2003559786 A 20030110; PL 36976403 A 20030110; RU 2004124843 A 20030110; US 50132204 A 20041115