

Title (en)  
CAPILLARY WRITING MEDIUM RESERVOIR SYSTEM.

Title (de)  
KAPILLAR-SCHREIBSTOFF-SPEICHERSYSTEM.

Title (fr)  
RESERVOIR CAPILLAIRE POUR SUBSTANCE UTILISEE POUR ECRIRE.

Publication  
**EP 0667818 A1 19950823 (DE)**

Application  
**EP 93922880 A 19931019**

Priority  
• DE 4237616 A 19921106  
• DE 9300989 W 19931019

Abstract (en)  
[origin: DE4237616A1] The invention(s) relate(s) to writing instruments and especially to capillary colorant reservoirs in said writing instruments. A process for producing said colorant reservoir is also proposed. The main problem in such colorant reservoirs is the storage time. During this time, the writing capacity of new writing instruments falls since the walls of the writing instruments are, if only slightly, permeable to solvents. In the long run a stored writing instrument thus dries out and loses the major proportion of its original writing capacity. To this end, an invention proposes to provide a colorant reservoir having an elongated reservoir body (20) made of fibrous material (21). It is surrounded by a sleeve (22) which is permeable to liquids and gases and gives the reservoir body (20) its shape. The colorant reservoir stores colorant to produce the (liquid) writing medium said colorant being stored between the fibres of the fibrous material (21) of the reservoir body (21) in dry form. A one or multi-part wick (1) projects from either side of the reservoir body (20). A process for producing said colorant reservoir is also proposed, according to which the elongated capillary fibrous body is surrounded by a gas and liquid-permeable but liquid-proof foil and the fibrous body thus surrounded is soaked in or with a colorant concentrate. The soaked fibrous body is drained off and dried. Then a one or multi-part rod-like wick (1) is introduced along it. The wick (1) is longer than the elongated fibrous body (20).

IPC 1-7  
**B43K 8/10**; **B43K 5/03**; **B43K 8/02**

IPC 8 full level  
**B43K 5/02** (2006.01); **B43K 5/03** (2006.01); **B43K 8/02** (2006.01); **B43K 8/03** (2006.01); **B43K 8/10** (2006.01)

CPC (source: EP US)  
**B43K 5/03** (2013.01 - EP US); **B43K 8/02** (2013.01 - EP US); **B43K 8/10** (2013.01 - EP US)

Citation (search report)  
See references of WO 9411205A1

Designated contracting state (EPC)  
DE FR IT

DOCDB simple family (publication)  
**DE 4237616 A1 19940511**; DE 59303157 D1 19960808; EP 0667818 A1 19950823; EP 0667818 B1 19960703; JP 3476459 B2 20031210; JP H08502934 A 19960402; US 6027271 A 20000222; US 6244774 B1 20010612; WO 9411205 A1 19940526

DOCDB simple family (application)  
**DE 4237616 A 19921106**; DE 59303157 T 19931019; DE 9300989 W 19931019; EP 93922880 A 19931019; JP 51156794 A 19931019; US 37068999 A 19990809; US 43215195 A 19950601