

Title (en)

Writing or coloring implement with ink, made of compact block of porous material

Title (de)

Flüssigkeitsschreib- oder Malgerät aus kompaktem Block von porösen Material

Title (fr)

Article d'écriture ou de coloriage à encre réalisé à partir d'un bloc compact en matériau poreux

Publication

**EP 0726166 A1 19960814 (FR)**

Application

**EP 96490007 A 19960129**

Priority

FR 9501592 A 19950207

Abstract (en)

The implement comprises a rigid body (2) made from a compact block of a porous material with open pores which also acts as a reservoir for ink. The block is enclosed in an outer impermeable casing (3) apart from its tip (5), and the block itself is made from micro-balls of a thermoplastic material, stuck together by thermo-adhesion, while its pointed tip is compact and hydrophilic, and of a predetermined hardness. The compact ink block can be made from adjacent portions of hydrophilic and water repellent materials, the former being traversed by pressure balancing channels.

Abstract (fr)

L'article d'écriture ou de coloriage comprend un bloc compact (2) en un matériau poreux à pores ouverts faisant également office de réservoir pour l'encre, qui est obtenu par thermocollage de micro-billes en matière thermoplastique et qui est enveloppé dans une enveloppe de recouvrement (3) imperméable à l'encre, à l'exception de la zone correspondant à la pointe d'écriture (5). <IMAGE>

IPC 1-7

**B43K 1/00**; **B43K 5/00**; **B43K 21/00**; **B43K 8/02**; **B43K 8/06**

IPC 8 full level

**B43K 8/00** (2006.01); **B43K 5/00** (2006.01); **B43K 8/02** (2006.01); **B43K 21/00** (2006.01); **G01D 15/16** (2006.01)

CPC (source: EP)

**B43K 5/005** (2013.01); **B43K 8/003** (2013.01); **B43K 8/026** (2013.01); **B43K 21/006** (2013.01)

Citation (search report)

- [YA] DE 8527424 U1 19851219
- [Y] US 3942903 A 19760309 - DICKEY CLARENCE A, et al
- [Y] FR 1515316 A 19680301 - GRACE W R & CO
- [Y] US 3927156 A 19751216 - YOSHIKAWA SHINSUKE, et al
- [A] DE 4231978 A1 19940331 - DATAPRINT DATENDRUCKSYSTEME R [DE]
- [A] DE 2536958 A1 19770224 - PELIKAN WERKE WAGNER GUENTHER
- [A] FR 2218990 A1 19740920 - GLASROCK PRODUCTS [US]
- [A] FR 1527955 A 19680607 - POLYMER CORP
- [A] WO 9111334 A1 19910808 - STAEDTLER FA J S [DE]
- [A] WO 9405511 A1 19940317 - BIC CORP [US]
- [A] DE 3221296 A1 19831208 - SCHWAN STABILO SCHWANHAEUSSER [DE]

Cited by

FR2750646A1; EP1031436A1; FR2793426A1; AU762571B2; EP0803381A1; FR2747611A1; US5927885A; US6893181B1; US7481593B2; WO0069654A1; WO2006020038A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

**EP 0726166 A1 19960814**; AR 000874 A1 19970806; BR 9600346 A 19980127; CA 2168911 A1 19960808; EA 199600004 A2 19960701; EA 199600004 A3 19961001; FR 2730188 A1 19960809; FR 2730188 B1 19970425; JP H08258484 A 19961008; WO 9624494 A1 19960815

DOCDB simple family (application)

**EP 96490007 A 19960129**; AR 10128496 A 19960206; BR 9600346 A 19960207; CA 2168911 A 19960206; EA 199600004 A 19960206; FR 9501592 A 19950207; FR 9600208 W 19960207; JP 4542196 A 19960207