

Title (en)  
Writing utensil.

Title (de)  
Schreibgerät.

Title (fr)  
Instrument à écrire.

Publication  
**EP 0256615 A1 19880224 (EN)**

Application  
**EP 87303328 A 19870415**

Priority  
JP 18861886 A 19860813

Abstract (en)  
A writing utensil is described which has an outer cylinder (6) provided with an ink tank section (10), and an inner cylinder (3) with one end engaged in the outer cylinder (6). A writing portion (8) is mounted in a pen end portion (2) of the inner cylinder. An intermediate core (5) is disposed in the inner cylinder (3) and around the outer circumference of the intermediate core is a spiral groove which forms an ink reservoir (12), which also communicates with the atmosphere. On a central core (4) are an ink introducing slit (13) and air introducing slit (14) which communicate the ink reservoir (12), the writing portion (8), and the ink tank section (10) with each other.

IPC 1-7  
**B43K 7/10; B43K 5/18**

IPC 8 full level  
**B43K 5/06** (2006.01); **B43K 5/18** (2006.01); **B43K 7/02** (2006.01); **B43K 7/10** (2006.01); **B43K 8/02** (2006.01)

CPC (source: EP KR)  
**B43K 5/06** (2013.01 - KR); **B43K 5/18** (2013.01 - EP); **B43K 7/10** (2013.01 - EP)

Citation (search report)

- [X] GB 1150007 A 19690430 - HEBBORN HEINRICH [DE], et al
- [X] GB 2142584 A 19850123 - PILOT PEN CO LTD
- [A] GB 2072587 A 19811007 - ROTRING WERKE RIEPE KG
- [A] DE 2808910 A1 19790906 - MUTSCHLER FA PHILIPP
- [A] DE 3442331 A1 19860522 - WITTE HANS JOACHIM ING GRAD

Cited by  
CN111055610A; DE4100644A1; CN107772753A; AU748530B2; US6340262B1; EP0976577A1; DE4434164A1; US5551789A; US5336009A; US5906446A; AU720203B2; CN1082906C; US5030026A; EP1422076A1; FR2750645A1; FR2717423A1; US5829904A; US7163350B2; WO9817482A1; WO2007003417A3

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**EP 0256615 A1 19880224**; BR 8701506 A 19880322; HU T57652 A 19911230; JP S6345095 A 19880226; KR 880002676 A 19880510; KR 900000492 B1 19900131

DOCDB simple family (application)  
**EP 87303328 A 19870415**; BR 8701506 A 19870402; HU 8087 A 19870109; JP 18861886 A 19860813; KR 870001196 A 19870213