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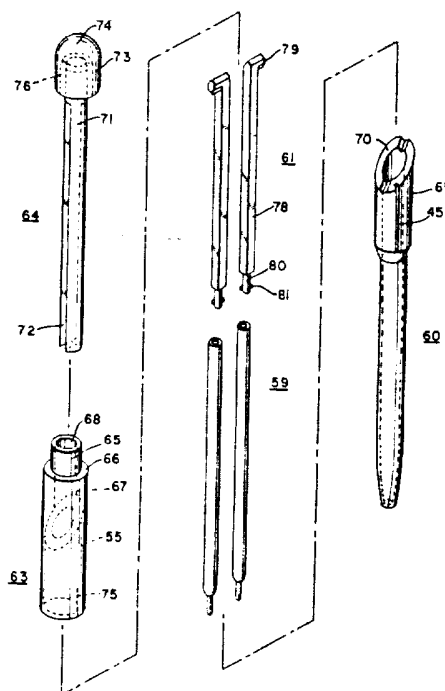
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(54) Title: DUAL WRITING ELEMENT RETRACTABLE PEN

(57) Abstract

A dual writing element retractable pen (10) includes coaxial upper and lower barrel members (12, 13), an upper cylindrical cam part (26) being integrally formed with the upper barrel member (13) and having a bottom cam surface (29). A matching lower cylindrical cam part (14) telescopes the upper barrel member (13) and is oriented so that the confronting end faces of the cam parts delineate a cam groove (37) having opposite oppositely inclined sections. A rotatable guide member (16) longitudinally slideably supports pen cartridge coupled chucks having followers engaging respective cam groove sections, the guide member being coaxial with the barrel. In one form, the lower cam member (14) is integrally formed with the lower barrel member (12) and, in another form, the lower cam (14) and barrel (12) members are an integrally molded unit and the guide member (16) terminates in an external finger knob (73).



* See back of page

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INTERNATIONAL SEARCH REPORT

International Application No. **PCT/US90/04743**

I. CLASSIFICATION OF SUBJECT MATTER

According to International Patent Classification (IPC), prior to both National Classification and IPC

IPC (5): B43K 27/00

U.S. CL.: 401/30

II. FIELDS SEARCHED

Classification System

Minimum Documentation Searched

Classification Symbols

U.S. 401/30, 29, 31, 32

Documentation Searched other than Minimum Documentation
to the extent that such Documents are included in the Fields Searched

III. DOCUMENTS CONSIDERED TO BE RELEVANT

Category * Citation of Document, with indication, where appropriate, of the relevant passages Relevant to Claim No.

- A US, A, 4,533,271 (SANSEVERO) 06 August 1985,
See entire document.
- A US, A, 3,816,006 (TAILER) 11 June 1974,
See entire document.
- A US, A, 4,738,557 (YUMOTO) 19 April 1988,
See entire document.
- A DE, A, 2,746,409 (TOMORA) 20 April 1978,
See entire document.
- A GB, A, 2,143,781 (AKI) 20 February 1985,
See entire document.
- A Netherlands, A 7,509,286 (CHROM) 04 August
1975, See entire document.

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IV. CERTIFICATION

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Kerry Owens
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