

Title (en)  
A simplified-assembly ball point pen.

Title (de)  
Kugelschreiber mit vereinfachter Montage.

Title (fr)  
Stylo à bille à assemblage simplifié.

Publication  
**EP 0624484 A1 19941117 (EN)**

Application  
**EP 94105441 A 19940408**

Priority  
IT TO930331 A 19930512

Abstract (en)  
The ball point pen comprises an elongate, hollow barrel (10), a tubular element (12) arranged coaxially within the upper portion of the barrel (10), a writing point (18) and a push-button (22) arranged to control the extension/withdrawal of the writing point (18) relative to the barrel (10). At least one longitudinal rib (40) and an annular projection (42) are formed either on the inner surface of the sleeve (24) of the push-button (22) or on the outer surface of the tubular element (12) and, correspondingly, at least one raised, shaped element (44) is formed either on the outer surface of the tubular element (12) or on the inner surface of the sleeve (24) so as to interfere radially with the annular projection (42) and to define at least one longitudinal groove (46) adapted to form a seat for the rib (40) when the sleeve (24) is fitted onto the tubular element (12). <IMAGE>

IPC 1-7  
**B43K 24/08**

IPC 8 full level  
**B43K 24/08** (2006.01); **G09F 23/00** (2006.01)

CPC (source: EP)  
**B43K 24/084** (2013.01); **G09F 2023/0016** (2013.01)

Citation (search report)

- [Y] EP 0538503 A1 19930428 - KOTOBUKI & CO LTD [JP]
- [Y] US 3318289 A 19670509 - WILLIAM MARYNISSEN
- [A] US 4991988 A 19910212 - SNELL THOMAS G [US], et al
- [A] US 5004364 A 19910402 - TOMURA YOSHIHIRO [JP], et al
- [A] FR 1439827 A 19660527 - FAGARD A J & CIE

Cited by  
FR2890198A1; WO0148859A1; WO9847199A1

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