

Title (en)
MECHANICAL PENCIL

Publication
EP 0151456 A3 19870204 (EN)

Application
EP 85100907 A 19850129

Priority
US 57873484 A 19840209

Abstract (en)
[origin: EP0151456A2] A low-cost mechanical pencil employing an improved lead-driving mechanism in which there is cooperation between a low-cost, helical spring member through which moves a lead advance-retract member which is keyed to longitudinal grooves in the inner barrel wall. If the lead is subjected to excessive pressure during use, it is caused to partially retract into the tip by virtue of axial compression of the helical spring, thereby reducing the likelihood of lead breakage.

IPC 1-7
B43K 21/08

IPC 8 full level
B43K 21/08 (2006.01)

CPC (source: EP)
B43K 21/08 (2013.01)

Citation (search report)

- [X] CH 266391 A 19500131 - GYGER FRITZ [CH]
- [Y] DE 454572 C 19280112 - FELSS GEB
- [X] US 1627602 A 19270510 - GOLDSMITH BYRON B
- [Y] DE 478303 C 19290622 - HUCK FA H
- [A] CA 463498 A 19500307 - WEHN CHARLES E
- [AD] US 4136980 A 19790130 - LEEM TAE YOON

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GB2210587A; GB2210587B

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 0151456 A2 19850814; EP 0151456 A3 19870204; EP 0151456 B1 19900523; CA 1219555 A 19870324; DE 3577825 D1 19900628; JP H0557920 B2 19930825; JP S60233000 A 19851119

DOCDB simple family (application)
EP 85100907 A 19850129; CA 471881 A 19850110; DE 3577825 T 19850129; JP 2078085 A 19850205