

Title (en)

Multi-lead writing apparatus.

Title (de)

Schreibgerät mit mehreren Minen.

Title (fr)

Instrument à écrire à mines multiples.

Publication

EP 0394511 A1 19901031 (EN)

Application

EP 89107426 A 19890425

Priority

EP 89107426 A 19890425

Abstract (en)

This invention is related to a multi-lead writing apparatus and more particularly to a writing apparatus which includes a pen-holder (11) having a vertical sliding groove (111) made thereon, along which a pusher means (13) is sliding to push one or more pencil leads or the like to protrude beyond the pen socket (12) for writing or to retreat the pencil lead or the like inside the pen-holder. According to the present invention a pencil lead or ball pen refill or the like can be fixed at each end of the pushers means.

IPC 1-7

B43K 21/06; B43K 24/04; B43K 24/12

IPC 8 full level

B43K 21/06 (2006.01); **B43K 24/04** (2006.01); **B43K 24/12** (2006.01)

CPC (source: EP)

B43K 21/06 (2013.01); **B43K 24/04** (2013.01); **B43K 24/12** (2013.01)

Citation (search report)

- [X] GB 2140357 A 19841128 - GILLETTE CO
- [X] DE 382737 C 19231005 - ALFRED RUBART
- [Y] FR 925650 A 19470909
- [A] FR 1100032 A 19550915
- [A] US 3130712 A 19640428 - KAHN JULIUS M, et al
- [A] CH 239549 A 19451031 - SCHOLL AG GEVR [CH]
- [A] FR 376643 A 19070814 - FISHER LIPPINCOTT [US]
- [A] US 3912401 A 19751014 - ZEPELL NATHAN A

Cited by

DE202010006749U1; CN110757983A; EP2201859A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0394511 A1 19901031

DOCDB simple family (application)

EP 89107426 A 19890425