

Title (en)
Pencil sharpener

Title (de)
Stiftspitzer

Title (fr)
Taille-crayon

Publication
EP 1759876 A1 20070307 (DE)

Application
EP 05019035 A 20050901

Priority
EP 05019035 A 20050901

Abstract (en)
The sharpener has a sharpener body with a guide sleeve (4) that includes a bore defining a pencil guiding channel (9) of sharpener units. Flat supporting wings (6, 7) project from the sleeve. A functional element is provided for working on a tip of the pencil in an end region of one of the wings that is directed away from the sleeve. Each wing is bent along a film strip (34) acting as a preset bending point or a separating point, such that the element is moved away from a position in which the element engages with the channel. The units are connected via the film strip.

IPC 8 full level
B43L 23/08 (2006.01); **A45D 40/08** (2006.01); **A45D 40/20** (2006.01)

CPC (source: EP US)
B43L 23/08 (2013.01 - EP US); **B43L 23/085** (2013.01 - EP US); **A45D 2040/201** (2013.01 - EP US); **A45D 2040/202** (2013.01 - EP US)

Citation (applicant)
• DE 4000122 A1 19910711 - EISEN C & SOHN [DE]
• DE 19952039 A1 20010503 - MOEBIUS & RUPPERT KG [DE]

Citation (search report)
• [XY] US 6397479 B1 20020604 - LUETTGENS FRITZ [DE]
• [X] US 2002005100 A1 20020117 - LAWSON CARROLL VERNON [US], et al
• [Y] US 362669 A 18870510
• [A] US 1728523 A 19290917 - BIERBACH CARL F
• [A] DE 10102092 C1 20020214 - EISEN C & SOHN [DE]
• [DA] DE 4000122 A1 19910711 - EISEN C & SOHN [DE]
• [A] US 5987759 A 19991123 - NITA ILIE [US]

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AL BA HR MK YU

DOCDB simple family (publication)
EP 1759876 A1 20070307; **EP 1759876 B1 20080319**; DE 502005003347 D1 20080430; DE 502005004758 D1 20080828; EP 1808310 A1 20070718; EP 1808310 B1 20080716; US 2007044327 A1 20070301; US 7363714 B2 20080429

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