

Title (en)
Pencil sharpener

Title (de)
Stiftspitzer

Title (fr)
Taille-crayon

Publication
EP 1808310 A1 20070718 (DE)

Application
EP 06025767 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.

Abstract (de)
Es wird ein herstellungstechnisch besonders günstiger und vorteilhaft handhabbarer Stiftspitzer (1) angegeben. Der Stiftspitzer (1) umfasst mindestens zwei Spitzereinheiten (30,31,32), deren jede einen Spitzerkörper (2) und ein auf diesem befestigtes Schälmesser (3) aufweist, wobei die Spitzerkörper (2) benachbarter Spitzereinheiten (30,31,32) einstückig über einen als Sollbiegestelle und/oder Solltrennstelle wirkenden Filmstreifen (34) verbunden sind.

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 (search report)
• [DA] DE 4000122 A1 19910711 - EISEN C & SOHN [DE]
• [A] US 5987759 A 19991123 - NITA ILIE [US]

Designated contracting state (EPC)
DE FR GB IT

Designated extension state (EPC)
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

DOCDB simple family (application)
EP 05019035 A 20050901; DE 502005003347 T 20050901; DE 502005004758 T 20050901; EP 06025767 A 20050901;
US 48071006 A 20060703