

Title (en)

Sharpener, in particular for a cosmetic or pharmaceutical pencil

Title (de)

Spitzer, insbesondere für einen kosmetischen oder pharmazeutischen Stift

Title (fr)

Taille-crayon, notamment pour un crayon cosmétique ou pharmaceutique

Publication

EP 2409854 A3 20130821 (DE)

Application

EP 11005968 A 20110721

Priority

DE 102010031915 A 20100722

Abstract (en)

[origin: EP2409854A2] The sharpener (1) comprises a sharpener body (20), in which a pencil guide channel (26) is introduced. The pencil guide channel comprises a circular cone-shaped channel section (28) and flows into a pencil insert opening (25) at the outer side of the sharpener body. A contour tool (23) is provided for insertion of a shoulder (9) in the pencil tip (6). A shaping knife is provided, which is made of steel or plastic.

IPC 8 full level

B43L 23/08 (2006.01)

CPC (source: EP US)

A45D 40/20 (2013.01 - EP US); **B43L 23/08** (2013.01 - EP US); **A45D 2040/202** (2013.01 - EP US)

Citation (search report)

- [IY] US 2702022 A 19550215 - FORS CARL I
- [IY] JP H02144499 U 19901207
- [Y] DE 3824883 A1 19900201 - EISEN C & SOHN [DE]
- [A] US 552020 A 18951224

Cited by

CN107225473A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2409854 A2 20120125; **EP 2409854 A3 20130821**; **EP 2409854 B1 20171004**; DE 102010031915 A1 20120126;
US 2012017451 A1 20120126; US 8881410 B2 20141111

DOCDB simple family (application)

EP 11005968 A 20110721; DE 102010031915 A 20100722; US 201113188547 A 20110722