

Title (en)

Method and devices for making leads for cosmetic pencils and similar

Title (de)

Verfahren und Vorrichtung zur Herstellung von Minen für Kosmetikstifte oder dergleichen

Title (fr)

Procédé et dispositif à préparer des mines de crayons cosmétiques et similaires

Publication

**EP 0997085 A3 20011024 (DE)**

Application

**EP 99120502 A 19991015**

Priority

DE 19849819 A 19981029

Abstract (en)

[origin: EP0997085A2] The mold block (1) is rectangular and has a row of blind bores (2) in one side to accommodate the casings (5) of the pencils. The bores have a cylindrical portion near the surface of the block which slopes slightly downwards from the horizontal, and there is a shoulder (3) followed by a tapered portion (7). Narrow pressure relief bores (10) extend from the ends of the blind bores to the top surface. They lie at approximately 90 degrees to the blind bores. Pencil casings are inserted in the bores and hot liquid material is poured in and allowed to harden, and the completed pencil is then removed.

IPC 1-7

**A45D 40/16**; **B43K 19/18**

IPC 8 full level

**A45D 40/16** (2006.01); **A45D 40/20** (2006.01); **B43K 19/18** (2006.01)

CPC (source: EP US)

**A45D 40/16** (2013.01 - EP US); **A45D 40/20** (2013.01 - EP US); **B43K 19/18** (2013.01 - EP US)

Citation (search report)

- [A] DE 4305369 A1 19940825 - SCHWAN STABILO SCHWANHAEUSSER [DE]
- [A] EP 0303058 A2 19890215 - HEMPEL MATTHIAS
- [AD] DE 3835680 A1 19900426 - NELE HEMPEL GMBH [DE]

Cited by

WO03090577A1

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0997085 A2 20000503**; **EP 0997085 A3 20011024**; DE 19849819 A1 20000504; DE 19849819 B4 20090122; US 6220255 B1 20010424

DOCDB simple family (application)

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