

Title (en)
Nib holder for pen nibs

Title (de)
Spitzenhalterung für Schreibspitzen

Title (fr)
Dispositif de fixation pour une pointe

Publication
EP 1591274 A1 20051102 (DE)

Application
EP 04010124 A 20040428

Priority
• EP 04010124 A 20040428
• DE 202004006712 U 20040428

Abstract (en)
The stabilizing casing (40) and the socket (20) are integrally connected. Their connection permits axial resilient movement of casing with the refill tube (KM). Between inner wall of the hollow socket and outer wall of the casing, up to the connection (50) there is an intermediate surrounding space. Flexural rigidity of the connection is less than that of the casing and/or of the socket. Casing and intermediate space are concentric with the socket central axis (M) : The initial casing section (40c) extends out from its first end (40a), its inner wall surrounding the refill when assembled. As a third section (40e) extends to the second casing end (40b) from the first section it widens in the form of a blunt conical section. Further details of the design are provided. The casing and socket are made of the same, or of differing plastics. The processes used are injection molding or coextrusion respectively. A connection is made between the socket and the refill by melting or hot adhesion. An independent claim is included for the method of manufacture.

Abstract (de)
Die vorliegende Erfindung betrifft eine Schreibspitzenhalterung (10), die aus einer zur Verbindung mit einem Stiftkörper vorgesehenen oder bei entsprechender Verlängerung den Stiftkörper bildenden Fassung (20) und einer Stabilisierungshülse (40) besteht. Die Stabilisierungshülse (40) ist über eine Verbindung (50) einstückig mit der Fassung (20) verbunden und ist aus dem gleichen Material wie die Fassung (20) oder aus einem zu dem Material der Fassung (20) unterschiedlichen, insb. elastischeren Material hergestellt. <IMAGE>

IPC 1-7
B43K 8/02; B43K 1/00; A45D 40/20

IPC 8 full level
B43K 1/00 (2006.01); **B43K 8/02** (2006.01); **A45D 34/04** (2006.01); **A45D 40/20** (2006.01)

IPC 8 main group level
B43K (2006.01)

CPC (source: EP US)
B43K 1/003 (2013.01 - EP US); **B43K 8/026** (2013.01 - EP US); **A45D 34/042** (2013.01 - EP US); **A45D 2040/202** (2013.01 - EP US); **A45D 2040/207** (2013.01 - EP US)

Citation (search report)
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• [Y] US 3345674 A 19671010 - DE GROFT WALTER J
• [Y] EP 0581182 A1 19940202 - SCHWAN STABILO SCHWANHAEUSSER [DE]
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DOCDB simple family (publication)
WO 2005105479 A2 20051110; **WO 2005105479 A3 20060713**; AT E434532 T1 20090715; BR PI0509782 A 20071023; BR PI0509782 B1 20171121; CN 100519226 C 20090729; CN 1942328 A 20070404; DE 202004006712 U1 20040722; DE 502004009650 D1 20090806; EP 1591274 A1 20051102; EP 1591274 B1 20090624; ES 2327333 T3 20091028; JP 2007529339 A 20071025; JP 4596487 B2 20101208; US 2006127163 A1 20060615

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