

Title (en)

CAP FOR WRITING INSTRUMENTS

Publication

EP 0368968 B1 19920729 (DE)

Application

EP 89905641 A 19890525

Priority

- DE 3818473 A 19880531
- DE 8807100 U 19880531

Abstract (en)

[origin: WO8911978A1] A cap for writing instruments, in particular for ball-point pens, comprises at least one air channel (4) which perforates the front face (2). The air channel is disposed axially and radially and is located in the region of the otherwise closed front face. The axially disposed sections (4') of the air channel are limited by at least one transverse impact wall (5) or by at least one step (5'') or disk (5') and are connected via at least one radial opening (4'') with other staggered axial sections (4'') or with the interior (7) of the cap (1'') to form through air channels. In addition, the cap wall, the front wall and the impact wall or the step(s) or disk(s) are integral with one another.

IPC 1-7

B43K 9/00

IPC 8 full level

B43L 9/00 (2006.01); **B43K 23/08** (2006.01); **B43K 23/12** (2006.01); **B43L 19/00** (2006.01); **B43M 11/00** (2006.01)

CPC (source: EP US)

B43K 23/124 (2013.01 - EP US); **B43K 23/126** (2013.01 - EP US)

Citation (examination)

EP 0204252 A1 19861210 - PILOT INK CO LTD [JP]

Designated contracting state (EPC)

CH FR GB IT LI

DOCDB simple family (publication)

WO 8911978 A1 19891214; DE 3818473 A1 19891207; DE 3818473 C2 19910529; DE 8807100 U1 19890629; EP 0368968 A1 19900523; EP 0368968 B1 19920729; JP H02501558 A 19900531; JP H0455879 B2 19920904; US 5054949 A 19911008

DOCDB simple family (application)

DE 8900329 W 19890525; DE 3818473 A 19880531; DE 8807100 U 19880531; EP 89905641 A 19890525; JP 50537689 A 19890525; US 45977490 A 19900126