

Title (en)  
BALL-POINT PEN TIP AND ITS MANUFACTURING METHOD

Publication  
**EP 0188716 B1 19881228 (DE)**

Application  
**EP 85115430 A 19851205**

Priority  
DE 3502088 A 19850123

Abstract (en)  
[origin: EP0188716A1] 1. A ball-point pen tip (1) with a metal tube (2) receiving the writing ball (4) in a socket (5) at the front end (3) of said tip, the ball socket (5) being composed by deformations of the metal tube (2) which are inwardly directed and take the form of longitudinal channels (6) as part of the ink conducting means and the longitudinal channels (6) ending in front of the metal tube-end (3) at the ball side, characterized in that the longitudinal channels (6) extend over the entire longitudinal side of the metal tube (2) up to the ball (4) and that in the form of an ink conducting means there is provided inside the metal tube, between the inwardly shaped longitudinal channels (6), a conducting pin (8) which is smooth on its outside and forms capillaries together with the segments of the metal tube (2) between the longitudinal channels (6).

IPC 1-7  
**B43K 1/08**; **B43K 7/10**

IPC 8 full level  
**B43K 1/08** (2006.01); **B43K 7/10** (2006.01)

CPC (source: EP)  
**B43K 1/08** (2013.01); **B43K 7/105** (2013.01)

Citation (examination)  
• FR 965140 A 19500904  
• US 3904297 A 19750909 - HORI JIRO

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EP0245506A4

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DE FR GB IT NL SE

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**EP 0188716 A1 19860730**; **EP 0188716 B1 19881228**; DE 3502088 C1 19890427; DE 3566981 D1 19890202

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