

Title (en)  
Hand-held multipurpose casing with structure for reversibly extending functional tipped device

Title (de)  
Merhzweck Vorrichtung mit hin un Zurückbeweglichem Stift

Title (fr)  
Boitier multiusage avec un mouvement alternatif de mine

Publication  
**EP 1095588 A3 20030402 (EN)**

Application  
**EP 00309353 A 20001024**

Priority  
KR 19990046282 A 19991025

Abstract (en)  
[origin: EP1095588A2] A hand-held multipurpose casing, with a functional tipped device housed within the casing so as to be linearly and reversibly extendible relative to the casing, is disclosed. This casing has a cylinder-type or screw-type actuating unit designed to reversibly extend the functional tipped device. The screw-type actuating unit has two spiral screw engagements, with opposite spiral directions. In an embodiment, the hand-held multipurpose casing has a front barrel, a middle barrel (12), a rear barrel (15), and a functional tipped device holder having a functional tipped device at its front tip and housed within the casing. A cap (16) is fixedly mounted to the rear end of the rear barrel (15), with two holding slots formed on the front end portion of the external surface of the cap at diametrically opposite positions. A screw-type actuating unit movably engages with both the functional tipped device holder and the cap through two spiral screw-type engagements with opposite spiral directions. The above unit thus primarily converts an axial movement of the cap (16) into a rotating action of a rotatable rod (110) and secondarily converts the rotating action of the rotatable rod (110) into an axial movement of the functional tipped device holder. <IMAGE>

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IPC 8 full level  
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