

Title (en)
IMPROVED FLASHLIGHT

Title (de)
STABLAMPE

Title (fr)
TORCHE ELECTRIQUE AMELIOREE

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Application
EP 99904294 A 19990126

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• US 10052798 A 19980618

Abstract (en)
[origin: WO9937948A1] A flashlight (10) in accordance with the present invention includes a chamber end cap (30), head assembly (40) and lamp holder assembly. The end cap includes a bowed tripod portion to facilitate standing the flashlight on a flat surface. The head assembly includes a reflector and a lens. In one embodiment of the invention, the head assembly includes an elliptical reflector. In another embodiment, the flashlight having an elliptical reflector is matched with a negative or planar lens. In another embodiment, the head assembly includes a hyperbolic reflector is matched with a positive or planar lens. The flashlight includes electrode connections which prevent the conduction of electrical energy from batteries when improperly aligned within the flashlight. The lamp holder assembly includes a lamp socket having a lamp guide which provides a guide for installing lamp bulb into the lamp socket and also provides a secure position to the lamp bulb. The lamp holder assembly further includes a fluorescent coating or additive which illuminates light in otherwise dark conditions, thereby facilitating lamp replacement in the less than desirable light conditions. The head assembly attached to the chamber which is rotatable relative to the chamber to cause electrical coupling of a lamp and one or more batteries retained by a chamber. The flashlight also includes a spare lamp held secured by the lamp holder assembly until the user of the flashlight rotates the lamp holder assembly to align a spare lamp opening with the spare lamp.

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