

Title (en)  
MORTAR FUZE WITH A ROTATABLE FAN

Title (de)  
MÖRSERZÜNDER MIT EINEM WINDRAD

Title (fr)  
SYSTEME DE MISE A FEU POUR MORTIER, MUNI D'UNE ROUE EOLIENNE

Publication  
**EP 1133670 B1 20030312 (DE)**

Application  
**EP 99961015 A 19991126**

Priority  
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• EP 9909195 W 19991126

Abstract (en)  
[origin: US6481354B1] A mortar fuse includes a fan wheel rotated in response to motion of the mortar fuse after the mortar has been launched. The fan wheel rotates a helix on which an activation wheel is mounted. The activation wheel moves in a path along the axis of the helix in response to rotation of the helix and eventually impacts against, and pierces, an acid container. Battery acid flows from the container and into battery cells, to energize the battery. The activation wheel includes a magnetic material. A coil is disposed along the path of travel of the activation wheel so that electric energy is generated in the coil as the magnetic activation wheel moves therepast. The electric energy operates a counter which controls a time function of the mortar fuse.

IPC 1-7  
**F42C 15/295**; **H01M 6/38**

IPC 8 full level  
**F03D 9/00** (2006.01); **F42C 11/00** (2006.01); **F42C 15/295** (2006.01); **H01M 6/38** (2006.01)

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