

Title (en)  
Loading system for a mortar

Title (de)  
Einrichtung zum Laden von Granatwerfern

Title (fr)  
Système de chargement d'un mortier

Publication  
**EP 0890817 A1 19990113 (FR)**

Application  
**EP 98401719 A 19980707**

Priority  
FR 9708877 A 19970711

Abstract (en)  
The system for loading a mortar which requires loading through the barrel (T) includes a transfer device (D) mounted on the barrel. This transfers the munitions (M) from the lower part of the mortar, up to the mouth of the barrel. The system includes a magazine (B) and a drive mechanism which is intended to rotate the magazine, and by use of a latch transfer the munitions into position in the barrel. The drive mechanism comprises a support which is movable to translate parallel to the tube, with a latch mechanism movable between two positions, holding and locking the munition in position. The magazine comprises a cylindrical barrel which is rotated by a motor.

Abstract (fr)  
L'invention concerne le chargement des mortiers. Pour améliorer la cadence de tir, un magasin à munitions (B) est monté directement sur le mortier. Grâce à un entraînement (Be) par moteur, les munitions contenues dans le magasin sont amenées dans une position prédéterminée où elles sont prises en compte par des moyens de transfert (D) qui les extraient du magasin (B) et les introduisent dans le tube (T) du mortier. Application, en particulier, aux mortiers à chargement par la bouche. <IMAGE>

IPC 1-7  
**F41F 1/06**

IPC 8 full level  
**F41A 9/06** (2006.01); **F41A 9/26** (2006.01); **F41F 1/06** (2006.01)

CPC (source: EP US)  
**F41F 1/06** (2013.01 - EP US)

Citation (search report)

- [Y] US 5050479 A 19910924 - HEINTZ WOLFGANG [DE], et al
- [Y] FR 2647888 A1 19901207 - THOMSON BRANDT ARMEMENTS [FR]
- [A] GB 2169389 A 19860709 - DIEHL GMBH & CO
- [A] US 3818794 A 19740625 - MAYER C, et al

Cited by  
US6460448B1

Designated contracting state (EPC)  
AT BE CH DE ES FR GB GR IT LI NL SE

DOCDB simple family (publication)  
**EP 0890817 A1 19990113; EP 0890817 B1 20030702**; AT E244389 T1 20030715; CA 2242887 A1 19990111; CA 2242887 C 20011218; DE 69815955 D1 20030807; DE 69815955 T2 20040527; ES 2202770 T3 20040401; FR 2765958 A1 19990115; FR 2765958 B1 19990924; JP 2903026 B2 19990607; JP H1172297 A 19990316; US 6095026 A 20000801

DOCDB simple family (application)  
**EP 98401719 A 19980707**; AT 98401719 T 19980707; CA 2242887 A 19980706; DE 69815955 T 19980707; ES 98401719 T 19980707; FR 9708877 A 19970711; JP 19481298 A 19980709; US 11179598 A 19980708