

Title (en)  
Pyrotechnic charge located within a tube

Title (de)  
Pyrotechnische Ladung in einem Rohr

Title (fr)  
Charge pyrotechnique disposée dans un tube

Publication  
**EP 0872702 A3 20000126 (DE)**

Application  
**EP 98106895 A 19980416**

Priority  
DE 19716511 A 19970419

Abstract (en)  
[origin: EP0872702A2] Practice hand grenade or fire brigade device comprises a pyrotechnic charge in a tube. The tube has a closure which opens under gas pressure. The closure (30) has at least two sections, and an outer silicone layer (21) near the tube opening (33), joins a lightweight closure (18) to the tube (3). The closure pref. consists of a foamed material, e.g. styrene.

IPC 1-7  
**F42B 8/26**; **F42B 12/36**; **F42B 4/00**

IPC 8 full level  
**F42B 4/00** (2006.01); **F42B 8/26** (2006.01); **F42B 12/36** (2006.01)

CPC (source: EP)  
**F42B 4/00** (2013.01); **F42B 8/26** (2013.01)

Citation (search report)

- [X] DE 1969984 U 19671005 - BOCK GEB [DE]
- [A] AT 396304 B 19930825 - OREGON ETS PATENTVERWERTUNG [LI]
- [A] DE 7235812 U 19730208
- [A] FR 1439815 A 19660527 - ZD Y RIJNOVE REVOLUCE NARODNI
- [A] FR 844961 A 19390807 - ANCIENS ETS SKODA
- [AD] DE 2644230 A1 19770929 - MONETA FRANCESCO

Cited by  
DE202004018014U1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0872702 A2 19981021**; **EP 0872702 A3 20000126**; **EP 0872702 B1 20031001**; AT E251301 T1 20031015; DE 19716511 A1 19981022; DE 59809762 D1 20031106; DK 0872702 T3 20040202; NO 317408 B1 20041025; NO 981703 D0 19980416; NO 981703 L 19981020

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**EP 98106895 A 19980416**; AT 98106895 T 19980416; DE 19716511 A 19970419; DE 59809762 T 19980416; DK 98106895 T 19980416; NO 981703 A 19980416