

Title (en)  
PROPELLANT MODULE

Publication  
**EP 0227671 B1 19900124 (DE)**

Application  
**EP 85904443 A 19850824**

Priority  
DE 3432291 A 19840901

Abstract (en)  
[origin: WO8601584A1] In a propellant module with a combustible container the ignition charge for all charge graduations and in every charge position must be so arranged that in the low and high gas pressure range, while complying with the same charge graduations, a regular gas pressure pattern and a reproducible blasting outflow are made possible, and in addition a modular design is ensured by which it is possible to achieve as simultaneous ignition as possible over the whole length of the charge, for any desired chargeability and exchangeability of the module. The propellant module (1) comprises over the entire length of the module (1) a co-axially-arranged free ignition channel (3) which is formed by an ignition charge (5, 7) which is symmetrically arranged to the end-walls (8, 9) of the container (10). The limiting wall (4) of the ignition channel (3) may consist of a tube (14) in whose wall cross-section an ignition charge (5) is incorporated. The wall cross-section of the channel (3) may however also consist of a combustible support tube (6) and an ignition charge preferably made of annular pieces. The symmetrical container design enables any desired chargeability and ignition from either endside (8) or (9). The free cross-section of the ignition channel (3) ensures a virtually simultaneous ignition of the ignition charge (7) over the overall charge length.

IPC 1-7  
**F42B 5/38**

IPC 8 full level  
**F42B 3/00** (2006.01); **F42B 5/38** (2006.01)

CPC (source: EP US)  
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Cited by  
DE4041611A1; FR2781879A1

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DE FR GB IT SE

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**DE 3432291 A1 19860313**; DE 3575602 D1 19900301; EP 0227671 A1 19870708; EP 0227671 B1 19900124; JP S61502207 A 19861002; JP S6231276 B2 19870707; US 4702167 A 19871027; US 4864932 A 19890912; WO 8601584 A1 19860313

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