

Title (en)  
BARREL OF AN INSTALLATION FOR GAS-DETONATION APPLICATION OF COATINGS

Publication  
**EP 0402471 A4 19910911 (DE)**

Application  
**EP 89903945 A 19881220**

Priority  
SU 8800266 W 19881220

Abstract (en)  
[origin: WO9006813A1] The barrel of the installation comprises a detonation initiating unit (1) connected to a detonation chamber (2) in which is mounted an accelerator (3) of the transition from burning to detonation, consisting of a three-dimensional grid located coaxially in the chamber (2). The dimension of each grid cell (4) is essentially equal to that of a stationary detonation wave cell in an explosive mixture of a given composition. The number of grid cells (4) in a cross-section of the detonation chamber (2) increases towards the open end of the barrel, so as to form through channels (5) for the passage of the gases from the detonation initiating unit (1) to the detonation chamber (2). The peripheral channels (5) of the grid are oriented at a sharp angle ( $\theta(a)$ ) to the axis of the barrel.

IPC 1-7  
**B05B 7/20**

IPC 8 full level  
**B05B 7/20** (2006.01); **B05B 7/00** (2006.01)

CPC (source: EP US)  
**B05B 7/0006** (2013.01 - EP US)

Citation (search report)

- Keine Entgegenhaltungen
- See references of WO 9006813A1

Cited by  
EP0851635A3; US6212988B1; WO9829191A1; US6526045B2; US6993029B2

Designated contracting state (EPC)  
DE FR GB SE

DOCDB simple family (publication)  
**WO 9006813 A1 19900628**; EP 0402471 A1 19901219; EP 0402471 A4 19910911; JP H03502777 A 19910627; US 5052619 A 19911001

DOCDB simple family (application)  
**SU 8800266 W 19881220**; EP 89903945 A 19881220; JP 50384289 A 19881220; US 55545590 A 19900817