

Title (en)  
Initiator and gas generator

Title (de)  
Anzündvorrichtung und Gasgenerator

Title (fr)  
Initiateur et générateur de gaz

Publication  
**EP 1434025 A1 20040630 (EN)**

Application  
**EP 03023549 A 20031015**

Priority  
JP 2002380188 A 20021227

Abstract (en)  
In order to provide an initiator that is easy to manufacture and safe in the handling, and a gas generator provided with the initiator, a reaction agent (58) is stored in a casing (56) in an initiator (50). Pins (62, 64) are inserted into a hole (66) of a header (54), and are secured by glass or the like. Extremity surfaces of the pins (62, 64) are flush with the extremity surface of the header (54), and a plasma generating agent (72) is disposed on these surfaces. When a voltage is applied between the pins (62, 64), a high-temperature plasma is generated from the plasma generating agent (72), and the reaction agent (58) initiates a reaction. <IMAGE>

IPC 1-7  
**F42B 3/12**

IPC 8 full level  
**B60R 22/46** (2006.01); **B01J 7/00** (2006.01); **B01J 19/08** (2006.01); **B60R 21/26** (2011.01); **B60R 21/264** (2006.01); **C06C 7/00** (2006.01); **C06D 5/00** (2006.01); **F42B 3/12** (2006.01)

CPC (source: EP US)  
**F42B 3/124** (2013.01 - EP US)

Citation (search report)

- [X] US 2002023567 A1 20020228 - RIVIERE CHRISTOPHE [FR], et al
- [X] WO 9013529 A1 19901115 - OLIN CORP [US]
- [PX] DE 10211348 A1 20031009 - LELL PETER [DE]
- [X] US 6272965 B1 20010814 - BAGINSKI THOMAS A [US], et al
- [X] US 3181464 A 19650504 - PARKER THEODORE C, et al
- [A] US 6338500 B1 20020115 - PEROTTO CHRISTIAN [FR]
- [A] DE 882970 C 19530713 - DYNAMIT NOBEL AG
- [A] US 1832052 A 19311117 - NIKOLAUS SCHMITT, et al
- [A] GB 821586 A 19591007 - NOBEL BOZEL

Cited by  
RU2675001C1; RU2728303C1; US11718267B1; US8037824B1; WO2017060262A1; WO2009020695A3

Designated contracting state (EPC)  
DE FR GB SE

DOCDB simple family (publication)  
**EP 1434025 A1 20040630**; **EP 1434025 B1 20060823**; **EP 1434025 B8 20070221**; CN 1511739 A 20040714; DE 60307773 D1 20061005; DE 60307773 T2 20070913; JP 2004209342 A 20040729; US 2004123765 A1 20040701

DOCDB simple family (application)  
**EP 03023549 A 20031015**; CN 03156267 A 20030902; DE 60307773 T 20031015; JP 2002380188 A 20021227; US 68118903 A 20031009