

Title (en)  
MULTIMODAL EXPLOSIVE

Title (de)  
MEHRMODALER SPRENGSTOFF

Title (fr)  
EXPLOSIF MULTIMODAL

Publication  
**EP 1856007 A1 20071121 (DE)**

Application  
**EP 05728237 A 20050318**

Priority  
• EP 2005002902 W 20050318  
• DE 102005011535 A 20050310

Abstract (en)  
[origin: WO2006094531A1] Disclosed is a multimodal explosive, especially for blast charges, comprising a powder additive for increasing the power. Said powder additive is formed by a hydrogen-terminated monocrystalline silicon powder which is provided with at least one grain size range and has the advantage that no oxidation phenomenon occurs even after many years, and even when the explosive is stored in ambient air. Advantageously, the powder additive immediately reacts along with the explosive in the detonation front due to the non-oxidized crystal surfaces, said joint reaction lasting until the post-reaction period as the crystal sizes increase such that a different propellant force is obtained according to the additive used.

IPC 8 full level  
**C06B 33/08** (2006.01)

CPC (source: EP US)  
**C06B 25/34** (2013.01 - EP US); **C06B 33/08** (2013.01 - EP US)

Citation (search report)  
See references of WO 2006094531A1

Designated contracting state (EPC)  
CZ DE FR GB SE

DOCDB simple family (publication)  
**WO 2006094531 A1 20060914**; EP 1856007 A1 20071121; NO 20074851 L 20071004; US 2008178974 A1 20080731; US 7985308 B2 20110726

DOCDB simple family (application)  
**EP 2005002902 W 20050318**; EP 05728237 A 20050318; NO 20074851 A 20070924; US 84744107 A 20070830