

Title (en)  
SELF-FRAGMENTING FIREWORKS

Publication  
**EP 0079273 B1 19860122 (FR)**

Application  
**EP 82401996 A 19821028**

Priority  
FR 8120996 A 19811110

Abstract (en)  
[origin: ES8308056A1] Pyrotechnic devices are described which are intended to emit an illuminating flux starting from multiple, exact, movable sources, particularly suitable for displays of artificial fireworks. The illuminating pyrotechnic devices consist of a shell which contains a block of a pyrotechnic composition consisting of at least a polymerized binder, an oxidizer and a combustible metal. For the purpose of achieving the bursting of the composition into a multitude of incandescent fragments when the device is ignited, the pyrotechnic composition consists of a binder of the phenoplastic type and an oxidizer, the granulometry of which is lower than 150 micrometers and the block, the smallest dimension of which is greater than 15 mm, has undergone a rapid cooling which gives rise to internal strains and fracture points within the composition.

IPC 1-7  
**F42B 4/30**

IPC 8 full level  
**F42B 4/30** (2006.01)

CPC (source: EP US)  
**F42B 4/30** (2013.01 - EP US); **Y10S 149/11** (2013.01 - EP US); **Y10S 149/113** (2013.01 - EP US)

Designated contracting state (EPC)  
BE DE FR GB IT

DOCDB simple family (publication)  
**EP 0079273 A1 19830518; EP 0079273 B1 19860122**; DE 3268707 D1 19860306; ES 517221 A0 19830801; ES 8308056 A1 19830801; FR 2516230 A1 19830513; FR 2516230 B1 19840316; US 4461213 A 19840724

DOCDB simple family (application)  
**EP 82401996 A 19821028**; DE 3268707 T 19821028; ES 517221 A 19821108; FR 8120996 A 19811110; US 43903182 A 19821103