

Title (en)

Pyrotechnical ignition chain with a plastic detonator carrier including an integrated metal insert layer

Title (de)

Pyrotechnische Zündkette mit einem Anzündträger aus Kunststoff mit integrierter Metalleinlage

Title (fr)

Chaîne d'amorçage électrique avec un porteur du detonateur en plastique muni d'une couche métallique insérée

Publication

EP 1335179 B2 20110824 (DE)

Application

EP 03001828 A 20030129

Priority

- DE 10205427 A 20020209
- DE 10236508 A 20020809

Abstract (en)

[origin: EP1335179A1] Pyrotechnical ignition unit comprises a metal insert (3) which is located in the carrier (4) of the ignition initiator element (2), serves as a mechanical support structure, and is surrounded by the plastic material of the carrier.

IPC 8 full level

F42B 3/26 (2006.01)

CPC (source: EP US)

F42B 3/26 (2013.01 - EP US)

Citation (opposition)

Opponent :

- EP 0943503 A2 19990922 - OEA INC [US]
- US 5733135 A 19980331 - KENNEDY PETER A [US], et al
- DE 4429175 A1 19950302 - EMS PATVAG AG [CH]

Cited by

CN113566662A

Designated contracting state (EPC)

AT DE ES FR GB IE

DOCDB simple family (publication)

EP 1335179 A1 20030813; EP 1335179 B1 20070905; EP 1335179 B2 20110824; AT E372499 T1 20070915; CZ 2003386 A3 20040818; DE 50308092 D1 20071018; US 2003183110 A1 20031002; US 7111558 B2 20060926

DOCDB simple family (application)

EP 03001828 A 20030129; AT 03001828 T 20030129; CZ 2003386 A 20030207; DE 50308092 T 20030129; US 35493703 A 20030130