

Title (en)

Ablative, warp resistant ammunition fins.

Title (de)

Wärmeabsorbierende, gegen Verziehen resistente Munitionsflügel.

Title (fr)

Ailettes de munition ayant une résistance contre l'ablation et la déformation.

Publication

**EP 0484985 A2 19920513 (EN)**

Application

**EP 91119205 A 19911111**

Priority

US 61112090 A 19901109

Abstract (en)

An improved self-ablative fin assembly for a cannon-fired high velocity munition projectile having an aerodynamic nose, a selectively elongated intermediate body rearward of the nose and a plurality of stabilizing fins attached to the rear portion of the body which prevents thermal degradation and abrasion of the fins during shell firing and projectile flight. The fin assembly consists substantially of a heat resistant, low friction, self-ablative polyetheretherketone polymer material which forms a protective ablative char when overheated in air.

IPC 1-7

**F42B 10/06**

IPC 8 full level

**F42B 10/06** (2006.01); **F42B 15/34** (2006.01)

CPC (source: EP KR)

**F42B 10/06** (2013.01 - EP KR); **F42B 15/34** (2013.01 - EP)

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Designated contracting state (EPC)

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**EP 0484985 A2 19920513**; **EP 0484985 A3 19920826**; KR 920010249 A 19920626

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**EP 91119205 A 19911111**; KR 910019813 A 19911108