

Title (en)

Inflatable baffled liner for protective headgear and other protective equipment.

Title (de)

Aufblasbare Polsterung für Kopfschutz oder andere Schutzvorrichtung.

Title (fr)

Garniture intérieure gonflable pour coiffure de protection ou autre équipement protecteur.

Publication

EP 0222029 A1 19870520 (EN)

Application

EP 85114069 A 19851105

Priority

EP 85114069 A 19851105

Abstract (en)

A thin-profile multi-compartmented inflatable liner for use as an energy-absorbing device inside a protective headgear or other protective equipment. The multiple air compartments with integral intercommunicating air channels are formed of flexible plastic sheets which are dielectrically heat bonded together. The air compartments have within, resilient foam plastic co-acting bafflements with integral protrusions which interact with the intercommunicating air channels to thereby control the rate of air flow between the air compartments in response to an impact compression of the air compartments. The unique construction provides a thin-profile, light weight, high-energy absorbing liner with strength, durability and reliability to a high degree.

IPC 1-7

A42B 3/00

IPC 8 full level

A42B 3/12 (2006.01)

CPC (source: EP)

A42B 3/122 (2013.01)

Citation (search report)

[X] JP S60173107 A 19850906 - ERUJIN AARU GUTSUDEINGU

Cited by

US9392833B2; CN113905629A; CN104159464A; CN102892320A; US8739317B2; WO2013103549A1; WO2011133589A3; US9113672B2; US9420842B2

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