

Title (en)  
FLAME RETARDANT SHIELD

Title (de)  
FLAMMENHEMMENDER SCHILD

Title (fr)  
BLINDAGE IGNIFUGE

Publication  
**EP 1957931 A1 20080820 (EN)**

Application  
**EP 06838644 A 20061130**

Priority  
• US 2006045790 W 20061130  
• US 29508105 A 20051206

Abstract (en)  
[origin: WO2007067405A1] Flame resistant, ballistic resistant composite fabrics are provided. More particularly, structures are formed from a material having excellent flame and ballistic resistance. The fabrics and structures incorporate a non-halogen containing charring flame retardant that is preferably intumescent, whereby the material being charred forms a char foam, providing an insulating barrier when exposed to heat. While adding flame retardance, the fabrics and structures retain the excellent optimum ballistic resistant properties of the original material.

IPC 8 full level  
**F41H 5/04** (2006.01); **A41D 31/00** (2006.01); **D04H 1/4218** (2012.01); **D04H 1/4242** (2012.01); **D04H 1/4291** (2012.01); **D04H 1/43** (2012.01); **D04H 1/4309** (2012.01); **D04H 1/4334** (2012.01); **D04H 1/4342** (2012.01); **D04H 1/435** (2012.01); **D04H 3/04** (2012.01); **D04H 3/12** (2006.01)

CPC (source: EP)  
**A41D 31/085** (2019.01); **A41D 31/245** (2019.01); **F41H 5/0485** (2013.01)

Citation (search report)  
See references of WO 2007067405A1

Cited by  
US10589474B2; US11666199B2; US11207863B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

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**WO 2007067405 A1 20070614**; CN 101336360 A 20081231; EP 1957931 A1 20080820; IL 191969 A0 20081229; JP 2009518618 A 20090507

DOCDB simple family (application)  
**US 2006045790 W 20061130**; CN 200680052425 A 20061130; EP 06838644 A 20061130; IL 19196908 A 20080605; JP 2008544375 A 20061130