

Title (en)

A PROCESS OF PRODUCING FIRE RESISTANT THERMOPLASTIC COMPOSITIONS AND COMPOSITIONS THUS OBTAINED

Title (de)

VERFAHREN ZUR HERSTELLUNG FLAMMFESTER, THERMOPLASTISCHER ZUSAMMENSETZUNGEN UND DARAUS ERHALTENE ZUSAMMENSETZUNGEN

Title (fr)

PROCEDE DE PRODUCTION DE COMPOSITIONS THERMOPLASTIQUES RESISTANT AU FEU

Publication

EP 1034219 A1 20000913 (EN)

Application

EP 97946051 A 19971121

Priority

IT 9700291 W 19971121

Abstract (en)

[origin: WO9927015A1] A halogen-free and fire resistant thermoplastic composition is produced by preparing a blend comprising a halogen-free thermoplastic material containing both, cross-linkable and non-cross-linkable compounds, a fire resistant inorganic filler, a compatibilizing agent for said inorganic filler, and a radical generating agent; the blend is mixed and dynamically cured at a temperature above the decomposition temperature of said radical generating agent to obtain a partially cross-linked thermoplastic composition and a grafting of the compatibilizing agent on all the bulk of thermoplastic material.

IPC 1-7

C08L 23/10; **C08L 23/16**; **C08K 13/02**; **C08L 51/00**; **C08L 51/04**; **H01B 3/44**

IPC 8 full level

C08K 3/00 (2006.01); **C08K 5/14** (2006.01); **C08L 23/10** (2006.01); **C08L 51/00** (2006.01); **C08L 51/04** (2006.01); **H01B 3/28** (2006.01); **H01B 3/44** (2006.01); **C08L 23/16** (2006.01)

CPC (source: EP)

C08K 3/016 (2017.12); **C08K 5/14** (2013.01); **C08L 23/10** (2013.01); **C08L 51/006** (2013.01); **C08L 51/04** (2013.01); **H01B 3/28** (2013.01); **H01B 3/441** (2013.01); **C08L 23/16** (2013.01); **C08L 2201/02** (2013.01)

Citation (search report)

See references of WO 9927015A1

Cited by

CN106700289A

Designated contracting state (EPC)

BE DE ES FR GB IT NL SE

DOCDB simple family (publication)

WO 9927015 A1 19990603; AU 5134998 A 19990615; EP 1034219 A1 20000913

DOCDB simple family (application)

IT 9700291 W 19971121; AU 5134998 A 19971121; EP 97946051 A 19971121