

Title (en)

METHOD OF STABILIZING VIRGIN THERMOPLASTIC MATERIAL AND STABILIZED PLASTICS COMPOSITIONS, MOULDING COMPOUNDS AND MOULDINGS PRODUCED THEREFROM, STABILIZER COMPOSITIONS AND USES THEREOF

Title (de)

VERFAHREN ZUR STABILISIERUNG VON THERMOPLASTISCHER KUNSTSTOFFNEUWARE SOWIE STABILISIERTE KUNSTSTOFFZUSAMMENSETZUNGEN, HIERAUS HERGESTELLTE FORMMASSEN UND FORMTEILE, STABILISATOR-ZUSAMMENSETZUNGEN SOWIE VERWENDUNGEN HIERVON

Title (fr)

PROCÉDÉ POUR STABILISER DES PRODUITS VIERGES THERMOPLASTIQUES ET COMPOSITIONS DE MATIÈRES PLASTIQUES STABILISÉES, MATIÈRES À MOULER ET PIÈCES MOULÉES FABRIQUÉES À PARTIR DE CES COMPOSITIONS, COMPOSITIONS STABILISANTES ET UTILISATIONS ASSOCIÉES

Publication

**EP 3870641 A1 20210901 (DE)**

Application

**EP 19802078 A 20191017**

Priority

- DE 102018218120 A 20181023
- EP 2019078221 W 20191017

Abstract (en)

[origin: WO2020083740A1] The present invention relates to a method of stabilizing virgin thermoplastic material against oxidative, thermal and/or actinic degradation. In the method of the invention, at least one polyphenol and at least one alditol and/or cyclitol are introduced into a virgin thermoplastic material. The method of the invention can stabilize virgin thermoplastic material with high efficacy and in a very environmentally friendly and inexpensive manner against oxidative, thermal and/or actinic degradation. The present invention additionally also relates to correspondingly stabilized virgin thermoplastic material and to moulding compounds and mouldings produced therefrom. The present invention also further relates to stabilizer compositions and to the use thereof for stabilization of virgin thermoplastic material against oxidative, thermal and/or actinic degradation.

IPC 8 full level

**C08K 5/00** (2006.01); **C08K 5/053** (2006.01); **C08K 5/09** (2006.01); **C08K 5/13** (2006.01)

CPC (source: EP KR US)

**C08K 5/00** (2013.01 - EP); **C08K 5/005** (2013.01 - KR US); **C08K 5/053** (2013.01 - EP KR US); **C08K 5/09** (2013.01 - EP); **C08K 5/13** (2013.01 - EP KR US); **C08K 5/1545** (2013.01 - US); **C08L 101/00** (2013.01 - KR); **C08K 3/014** (2017.12 - EP); **C08K 5/005** (2013.01 - EP)

Citation (search report)

See references of WO 2020083740A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2020083740 A1 20200430**; CN 113166470 A 20210723; DE 102018218120 A1 20200423; EP 3870641 A1 20210901; JP 2022505635 A 20220114; KR 20210102884 A 20210820; US 2021388176 A1 20211216

DOCDB simple family (application)

**EP 2019078221 W 20191017**; CN 201980069843 A 20191017; DE 102018218120 A 20181023; EP 19802078 A 20191017; JP 2021522045 A 20191017; KR 20217015531 A 20191017; US 201917287079 A 20191017