

Title (en)

COMPOSITE WITH POLYOLEFINIC THERMOPLASTIC MATRIX AND FIBERS OF COCONUT FOR EXTRUSION PROCESSES

Title (de)

VERBUNDSTOFF MIT EINER POLYOLEFINISCHEN THERMOPLASTISCHEN MATRIX UND KOKOSNUSSFASERN FÜR  
EXTRUSIONSVERFAHREN

Title (fr)

COMPOSITE PRÉSENTANT UNE MATRICE THERMOPLASTIQUE POLYOLÉFINIQUE ET DES FIBRES DE NOIX DE COCO POUR DES  
PROCÉDÉS D'EXTRUSION

Publication

**EP 3046954 A1 20160727 (EN)**

Application

**EP 13780308 A 20130917**

Priority

CZ 2013000109 W 20130917

Abstract (en)

[origin: WO2015039635A1] This technical solution aims the creating of a composite with the targeted composition of the thermoplastic polyolefinic matrix, additive and fiber filler on the basis of natural materials for the improvement of final and utility properties of the plastic parts with environmentally much lower capacity, compared to the 100% synthetic products. The essence of the technical solution lies in the fact that the composite contains from 45 to 87 weight % of polypropylene or polyethylene for extrusion processes, from 10 to 50 weight % of natural fibers of coconut (the length of the fibers from 0.2 to 3 mm) and from 3 to 5 weight % of additive based on maleic anhydride.

IPC 8 full level

**C08J 5/04** (2006.01); **C08J 5/10** (2006.01)

CPC (source: EP)

**C08J 5/045** (2013.01); **C08J 5/10** (2013.01); **C08K 7/02** (2013.01); **C08L 23/06** (2013.01); **C08L 23/12** (2013.01); **C08L 51/06** (2013.01); **C08J 2323/06** (2013.01); **C08J 2323/12** (2013.01); **C08L 2205/16** (2013.01)

Citation (search report)

See references of WO 2015039635A1

Citation (examination)

GB 2090849 A 19820721 - HISHIDA IWAO

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 2015039635 A1 20150326**; EP 3046954 A1 20160727

DOCDB simple family (application)

**CZ 2013000109 W 20130917**; EP 13780308 A 20130917