

Title (en)
MOULDINGS BASED ON DIENE-FUNCTIONALIZED (METH)ACRYLATES AND (HETERO-)DIELS-ALDER DIENOPHILES, WITH REVERSIBLE
CROSSLINKING

Title (de)
FORMTEILE AUF BASIS VON DIEN-FUNKTIONALISIERTEN (METH)ACRYLATEN UND (HETERO-)DIELS-ALDER-DIENOPHILEN, MIT
REVERSIBLER VERNETZUNG

Title (fr)
PIÈCES FAÇONNÉES À BASE DE (MÉTH)ACRYLATES À FONCTIONNALITÉ DIÈNE ET DE (HÉTÉRO)DIÉNOPHILES DE DIELS-ALDER, AVEC
RÉTICULATION RÉVERSIBLE

Publication
EP 3071632 A1 20160928 (DE)

Application
EP 14795819 A 20141106

Priority
• DE 102013223544 A 20131119
• EP 2014073918 W 20141106

Abstract (en)
[origin: WO2015074887A1] The invention relates to a process for producing storage-stable prepregs, and to mouldings (composite components) produced therefrom. The composition used according to the invention for producing prepregs here contains A) monomers, more particularly (meth)acrylates and/or styrene, B) at least one (meth)acrylate having a moiety containing a conjugated diene, C) a crosslinking agent having at least two dienophilic groups, and D) at least one suitable initiator. The composition can also contain, instead of or in addition to the components B) and C), a product C of a Diels-Alder reaction of the two components B) and C).

IPC 8 full level
C08J 3/24 (2006.01); **C08F 220/10** (2006.01); **C08J 5/04** (2006.01); **C08J 5/24** (2006.01)

CPC (source: EP KR US)
B29B 13/02 (2013.01 - KR US); **B29B 13/08** (2013.01 - KR US); **B29B 15/10** (2013.01 - KR US); **B29C 35/02** (2013.01 - KR US); **B29C 35/16** (2013.01 - KR US); **B29C 70/48** (2013.01 - KR US); **C08F 2/50** (2013.01 - KR); **C08F 2/60** (2013.01 - KR); **C08F 212/08** (2013.01 - KR); **C08F 220/18** (2013.01 - KR); **C08J 3/24** (2013.01 - KR); **C08J 5/24** (2013.01 - EP KR US); **C08K 5/3475** (2013.01 - KR); **C08K 5/378** (2013.01 - KR); **C08L 33/10** (2013.01 - KR); **B29K 2033/08** (2013.01 - KR US); **B29L 2031/753** (2013.01 - KR US); **C08J 2333/12** (2013.01 - KR US)

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 2015074887 A1 20150528; CA 2930476 A1 20150528; CN 105916916 A 20160831; EP 3071632 A1 20160928; JP 2016540073 A 20161222; KR 20160087863 A 20160722; TW 201602208 A 20160116; TW I646138 B 20190101; US 2016304683 A1 20161020

DOCDB simple family (application)
EP 2014073918 W 20141106; CA 2930476 A 20141106; CN 201480063298 A 20141106; EP 14795819 A 20141106; JP 2016532567 A 20141106; KR 20167016117 A 20141106; TW 103139769 A 20141117; US 201415037833 A 20141106