

Title (en)
DUAL CURE REACTION PRODUCTS OF SELF-PHOTOINITIATING MULTIFUNCTIONAL ACRYLATES WITH CYCLOALIPHATIC EPOXY COMPOUNDS

Title (de)
DUAL-CURE-REAKTIONSPRODUKTE VON SELBSTPHOTOINITIIERENDEN MULTIFUNKTIONELLEN ACRYLATEN MIT CYCLOALIPHATISCHEN EPOXIDVERBINDUNGEN

Title (fr)
PRODUITS REACTIONNELS A DOUBLE DURCISSEMENT A BASE D'ACRYLATES MULTIFONCTIONNELS A PHOTO-INITIATION SPONTANEE COMPRENANT DES COMPOSES EPOXYDIQUES CYCLOALIPHATIQUES

Publication
EP 1685193 A2 20060802 (EN)

Application
EP 04810830 A 20041112

Priority
• US 2004037807 W 20041112
• US 71204403 A 20031114

Abstract (en)
[origin: WO2005048866A2] Photopolymerizable liquid oligomeric compositions are disclosed. The oligomeric compositions are formed from cycloaliphatic epoxides and Michael addition polyacrylate resins, synthesized from multifunctional acrylates and beta-dicarbonyl Michael donors, specifically beta-keto esters, beta-diketones, beta-ketoamides or beta-ketoanilides or combinations thereof. The oligomeric compositions are provided along with uses thereof and methods of fabricating.

IPC 8 full level
C09D 163/00 (2006.01); **C08F 222/10** (2006.01); **C08G 16/00** (2006.01); **C08G 59/24** (2006.01); **C08G 59/40** (2006.01); **C08L 63/00** (2006.01); **C08L 63/10** (2006.01)

IPC 8 main group level
A61C (2006.01)

CPC (source: EP KR US)
C08F 222/102 (2020.02 - EP US); **C08G 16/00** (2013.01 - KR); **C08G 59/24** (2013.01 - EP US); **C08G 59/40** (2013.01 - KR); **C08L 63/00** (2013.01 - EP KR); **C08L 63/10** (2013.01 - KR); **C08F 222/103** (2020.02 - EP US); **C08G 2261/135** (2013.01 - EP); **C08G 2261/334** (2013.01 - EP); **C08G 2261/76** (2013.01 - EP)

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

Designated extension state (EPC)
AL HR LT LV MK YU

DOCDB simple family (publication)
WO 2005048866 A2 20050602; **WO 2005048866 A3 20050915**; BR PI0416519 A 20070306; CA 2545998 A1 20050602; CN 1910234 A 20070207; EP 1685193 A2 20060802; EP 1685193 A4 20061213; JP 2007511641 A 20070510; KR 20070097294 A 20071004

DOCDB simple family (application)
US 2004037807 W 20041112; BR PI0416519 A 20041112; CA 2545998 A 20041112; CN 200480040010 A 20041112; EP 04810830 A 20041112; JP 2006539903 A 20041112; KR 20067009414 A 20060515