

Title (en)
HALOGENATED OPTICAL POLYMER COMPOSITION

Title (de)
HALOGENIERTE OPTISCHE POLYMERE ENTHALTENDE ZUSAMMENSETZUNG

Title (fr)
COMPOSITION DE POLYMERES OPTIQUES HALOGENES

Publication
EP 1472304 A2 20041103 (EN)

Application
EP 03703963 A 20030123

Priority
• US 0301930 W 20030123
• US 6766902 A 20020204
• US 25305702 A 20020923

Abstract (en)
[origin: WO03067285A2] The present invention provides an energy curable composition including a compound having an aromatic or heteroaromatic moiety; at least two fluorinated alkylene, arylene or polyether moieties, each fluorinated alkylene, arylene or polyether moiety being linked to the aromatic or heteroaromatic moiety through an -O- or -S- linkage; and at least one ethylenically unsaturated moiety, each ethylenically unsaturated moiety being linked to one of the fluorinated alkylene, arylene or polyether moieties. The present invention also provides an energy curable composition including a compound having an isocyanurate moiety, three fluorinated alkylene, arylene, or polyether moieties linked to the isocyanurate moiety at the nitrogens of the isocyanurate, and at least one ethylenically unsaturated moiety linked to one of the fluorinated alkylene, arylene, or polyether moieties. The present invention further provides polymeric materials and optical devices made using these compositions.

IPC 1-7
C08G 73/24; **C08G 18/70**

IPC 8 full level
G02B 6/12 (2006.01); **C08F 16/30** (2006.01); **C08F 20/22** (2006.01); **C08G 18/00** (2006.01); **C08G 18/70** (2006.01); **C08G 65/00** (2006.01); **C08G 65/329** (2006.01); **C08G 65/332** (2006.01); **C08G 65/334** (2006.01); **C08G 65/335** (2006.01); **C08G 73/00** (2006.01); **C08G 73/24** (2006.01); **G02B 1/04** (2006.01)

CPC (source: EP)
C08G 65/007 (2013.01); **C08G 65/329** (2013.01); **C08G 65/3322** (2013.01); **C08G 65/334** (2013.01); **C08G 65/3356** (2013.01); **G02B 1/046** (2013.01); **C08G 2650/20** (2013.01); **C08G 2650/48** (2013.01); **C08L 2312/00** (2013.01)

Cited by
US10472446B2

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

DOCDB simple family (publication)
WO 03067285 A2 20030814; **WO 03067285 A3 20040205**; AU 2003205287 A1 20030902; AU 2003205287 A8 20030902; CN 100384912 C 20080430; CN 1628141 A 20050615; EP 1472304 A2 20041103; EP 1472304 A4 20050608; JP 2005517081 A 20050609; JP 4430398 B2 20100310

DOCDB simple family (application)
US 0301930 W 20030123; AU 2003205287 A 20030123; CN 03803267 A 20030123; EP 03703963 A 20030123; JP 2003566581 A 20030123