

Title (en)

PHOTOCURABLE COATING COMPOSITION WHICH PROVIDES A COATING LAYER HAVING IMPROVED HOT WATER RESISTANCE

Title (de)

LICHTHÄRTBARE BESCHICHTUNGSZUSAMMENSETZUNG MIT EINER ÜBERZUGSSCHICHT MIT VERBESSERTER  
WARMWASSERBESTÄNDIGKEIT

Title (fr)

COMPOSITION DE REVÊTEMENT PHOTODURCISSABLE QUI PERMET D'OBTENIR UNE COUCHE DE REVÊTEMENT PRÉSENTANT UNE  
RÉSISTANCE AMÉLIORÉE À L'EAU CHAUDE

Publication

**EP 2310464 A4 20130123 (EN)**

Application

**EP 09798077 A 20090714**

Priority

- KR 2009003853 W 20090714
- KR 20080069201 A 20080716

Abstract (en)

[origin: WO2010008174A2] The present invention provides a photocurable coating composition comprising a urethane acrylate oligomer which is synthesized using a polyol copolymer, a polyisocyanate, an acrylate alcohol, a urethane reaction catalyst, and a polymerization inhibitor, and an optical fiber using the same, the optical fiber showing improved water resistance and excellent thermal, mechanical and chemical stabilities.

IPC 8 full level

**C09D 175/16** (2006.01); **C08G 18/48** (2006.01); **C08G 18/67** (2006.01)

CPC (source: EP KR)

**C08G 18/4854** (2013.01 - EP); **C08G 18/672** (2013.01 - EP); **C08G 18/755** (2013.01 - EP); **C09D 175/06** (2013.01 - KR);  
**C09D 175/16** (2013.01 - EP)

Citation (search report)

- [ID] US 6599956 B2 20030729 - MONTGOMERY EVA I [US], et al
- [I] EP 1361240 A1 20031112 - DAINIPPON INK & CHEMICALS [JP]
- See references of WO 2010008174A2

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

**WO 2010008174 A2 20100121**; **WO 2010008174 A3 20100422**; CN 102159656 A 20110817; EP 2310464 A2 20110420;  
EP 2310464 A4 20130123; KR 101018357 B1 20110304; KR 20100008633 A 20100126

DOCDB simple family (application)

**KR 2009003853 W 20090714**; CN 200980135983 A 20090714; EP 09798077 A 20090714; KR 20080069201 A 20080716