

Title (en)

POLYMERIC COMPOSITIONS AND RELATED METHODS OF USE

Title (de)

POLYMERZUSAMMENSETZUNG UND ENTSPRECHENDE VERWENDUNGSVERFAHREN

Title (fr)

COMPOSITIONS POLYMERES ET PROCEDES D'UTILISATION ASSOCIES

Publication

**EP 1769007 A4 20100224 (EN)**

Application

**EP 05857520 A 20050711**

Priority

- US 2005024642 W 20050711
- US 58674204 P 20040709

Abstract (en)

[origin: WO2006091226A2] Methods for surface-initiated atom transfer radical polymerization, which can utilize a catecholic alkyl halide initiator.

IPC 8 full level

**C08F 2/00** (2006.01)

CPC (source: EP)

**B05D 3/10** (2013.01); **B82Y 10/00** (2013.01); **B82Y 30/00** (2013.01); **C08F 2/50** (2013.01); **C09D 5/1662** (2013.01)

Citation (search report)

- [A] PYUN J ET AL: "Synthesis of Polymer Brushes Using Atom Transfer Radical Polymerization", MACROMOLECULAR: RAPID COMMUNICATIONS, WILEY VCH VERLAG, WEINHEIM, DE, vol. 24, no. 18, 1 January 2002 (2002-01-01), pages 1043 - 1059, XP003013544, ISSN: 1022-1336
- [A] GU B ET AL: "Synthesis of Aluminium Oxide/Gradient Copolymer Composites by Atom Transfer Radical Polymerization", MACROMOLECULES, ACS, WASHINGTON, DC, US, vol. 35, no. 23, 1 January 2002 (2002-01-01), pages 8913 - 8916, XP003013545, ISSN: 0024-9297
- [A] DALSIN J L ET AL: "Mussel Adhesive Protein Mimetic Polymers for the Preparation of Nonfouling Surfaces", JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, NEW YORK, USA, vol. 125, no. 14, 1 January 2003 (2003-01-01), pages 4253 - 4258, XP003013546, ISSN: 0002-7863
- [A] RAJH T ET AL: "Surface Restrcturing of Nanoparticles: An Efficient Route for Ligend-Metal Oxide Grosstalk", JOURNAL OF PHYSICAL CHEMISTRY. B (ONLINE), AMERICAN CHEMICAL SOCIETY, COLUMBUS, OH, US, vol. 106, no. 41, 1 January 2002 (2002-01-01), pages 10543 - 10552, XP003013547, ISSN: 1520-5207
- See references of WO 2006091226A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2006091226 A2 20060831; WO 2006091226 A3 20061026; EP 1769007 A2 20070404; EP 1769007 A4 20100224**

DOCDB simple family (application)

**US 2005024642 W 20050711; EP 05857520 A 20050711**