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DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
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KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
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OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD,
SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR,
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MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
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ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a
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— as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii))

Published:

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— before the expiration of the time limit for amending the
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WO 2012/166453 A3

(54) Title: IMPACT-RESISTANT POLY(ARYLENE ETHER) RESINS WITH IMPROVED CLARITY

(57) Abstract: The present invention is directed to a composition that includes a poly(arylene ether), a radial block copolymer of an alkenyl aromatic monomer and a conjugated diene, a linear block copolymer of an alkenyl aromatic monomer and a conjugated diene, one or more optical enhancing agents, and a hydrocarbon resin. The composition is characterized by at least one of the following properties: a multiaxial impact of at least 20 joules as measured by ASTM D 3763-08, a percent haze of 15 percent or less as measured by ASTM D 1003-00, and a percent transmittance of 75 percent or more as measured by ASTM D 1003.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/039047**A. CLASSIFICATION OF SUBJECT MATTER***C08L 71/12(2006.01)i, C08L 53/02(2006.01)i, C08L 23/00(2006.01)i, C08J 5/00(2006.01)i*

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C08L 71/12; B05D 3/02; C08L 53/00; C08K 13/08; C08K 3/22; C08K 5/34

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: poly(arylene ether), radial block copolymer, linear block copolymer, optical enhancing agent.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	US 2008-0045656 A1 (BALFOUR, KIM et al.) 21 February 2008 See Tables 2-3; paragraphs [0057] & [0059]; claims 1, 5, 16-18, 24 & 27-32.	1-24,34-37,39-40 25-33,38
Y A	US 2007-0112132 A1 (ZHAO, XINYU et al.) 17 May 2007 See abstract; paragraphs [0001], [0013], [0023], [0037]-[0038] & [0052]; claims 1 & 35-39.	1-24,34-37,39-40 25-33,38
A	WO 2009-042369 A2 (SABIC INNOVATIVE PLASTICS IP B.V.) 02 April 2009 See claim 29; paragraphs [0014], [0029], [0038] & [0052].	1-40
A	US 2008-0206468 A1 (KLEI, STEVEN RAYMOND et al.) 28 August 2008 See abstract; claims 28 & 34; paragraphs [0016], [0027], [0092] & [0138].	1-40

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search

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Korean Intellectual Property Office
189 Cheongsa-ro, Seo-gu, Daejeon Metropolitan
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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