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C08K 5/56 (2006.01) *C07F 5/06* (2006.01)
C07F 5/04 (2006.01)

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AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, 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, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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21 February 2013

(54) Title: BENZOPINACOL METALLOESTER POLYMERIZATION INITIATOR

(57) Abstract: A polymerization initiator based on boroesters of benzopinacol for curing unsaturated polymers is disclosed. Methods of preparing the benzopinacol boroester initiator and using the initiator in polymerization reactions are additionally disclosed.



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A. CLASSIFICATION OF SUBJECT MATTER*C08K 5/55(2006.01)i, C08K 5/56(2006.01)i, C07F 5/04(2006.01)i, C08F 2/38(2006.01)i, C07F 5/06(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)

C08K 5/55; C07D 251/30; C08F 4/642; C07C 149/18; C08F 10/00; C07C 149/00

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: benzopinacol, metalloester, benzopinacolate, polymerization initiator, aluminium, boron

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WANDAS ZIEMKOWSKA et al., "Reactions of alkylalane diolates with water synthesis, characterisation and ϵ -caprolactone polymerisation activity of novel alane benzopinacolates", Journal of Organometallic Chemistry, Vol.689, Issue 18, pp.2930-2939 15 September 2004 See abstract, scheme 1.	1-24
A	US 04135047 A (MORGAN, CHARLES R.) 16 January 1979 See claims 1-4.	1-24
A	US 04117017 A (MORGAN, CHARLES ROBERT et al.) 26 September 1978 See claims 1-3.	1-24
A	EP 0411937 A2 (TONEN CORPORATION) 06 February 1991 See claims 1-7.	1-24



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

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Date of the actual completion of the international search

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Date of mailing of the international search report

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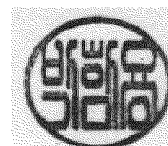
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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US 04117017 A	26.09.1978	None	
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