



(43) International Publication Date
9 August 2012 (09.08.2012)

(10) International Publication Number
WO 2012/106697 A3

(51) International Patent Classification:

C07F 13/00 (2006.01) *B01J 31/12* (2006.01)
C07F 1/00 (2006.01) *C08F 36/06* (2006.01)

(21) International Application Number:

PCT/US2012/023909

(22) International Filing Date:

5 February 2012 (05.02.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/439,862 5 February 2011 (05.02.2011) US

(71) Applicant (for all designated States except US):
BRIDGESTONE CORPORATION [JP/JP]; 10-1,
Kyobashi 1-chome, Chuo-ku, Tokyo 1048340 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LUO, Steven**
[US/US]; Bridgestone Americas Center for Research &
Technology, 1655 South Main Street, Akron, Ohio 44301
(US). **QIN, Zengquan** [CA/US]; Bridgestone Americas
Center for Research & Technology, 1655 South Main
Street, Akron, Ohio 44301 (US). **DICKSTEIN, Joshua S.**
[US/US]; Bridgestone Americas Center for Research &
Technology, 1655 S. Main Street, Akron, Ohio 44301
(US).

(74) Agents: **WOOD, Jonathan D.** et al.; Bridgestone Amer-
icas, Law Dept., 1200 Firestone Parkway, Akron, Ohio
44317-0001 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
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.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU,
TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE,
DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,
LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))

(88) Date of publication of the international search report:

18 October 2012

(54) Title: LANTHANIDE COMPLEX CATALYST AND POLYMERIZATION METHOD EMPLOYING SAME

(57) Abstract: A novel class of lanthanide metal salen complexes can be used as an ingredient of a catalyst system. The catalyst system can be used in polymerizations of ethylenically unsaturated hydrocarbon monomers.



WO 2012/106697 A3

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/023909**A. CLASSIFICATION OF SUBJECT MATTER****C07F 13/00(2006.01)i, C07F 1/00(2006.01)i, B01J 31/12(2006.01)i, C08F 36/06(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)

C07F 13/00; B01J 31/18; C08F 4/06; B01J 31/00; C08F 4/52

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

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

eKOMPASS(KIPO internal) & Keywords: salen complex, lanthanide complex, lanthanide-salen complex

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Date of the actual completion of the international search

24 AUGUST 2012 (24.08.2012)

Date of mailing of the international search report

27 AUGUST 2012 (27.08.2012)

Name and mailing address of the ISA/KR

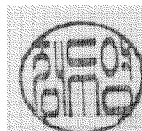
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Facsimile No. 82-42-472-7140

Authorized officer

Jung Doo Young

Telephone No. 82-42-481-8699



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2012/023909

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002-0099155 A1 (INOUE, Y. et al.) 25 July 2002 See the whole document.	1-15
A	US 7612009 B2 (THIELE, S. K.-H.) 03 November 2009 See the whole document.	1-15

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Information on patent family members

International application No.

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