

INTERNATIONAL SEARCH REPORT

International application No.
PCT/ES2023/070656

A. CLASSIFICATION OF SUBJECT MATTER

See extra sheet

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)

B01J, C08G, C07F

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)

EPODOC, INVENES, WPI, NPL, CAPLUS, XPESP, REGISTRY

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	MUÑOZ, M. T. et al. Aluminum Aryloxide Compounds as Very Active Catalysts for Glycidyl Methacrylate Selective Ring-Opening Polymerization. ChemCatChem, 01/02/2018, Vol. 10, pages 936-939, <DOI: 10.1002/cctc.201701377> See abstract, scheme 2 and Table 2.	1-17, 19
Y	SEARLES, K. et al. 3d early transition metal complexes supported by a new sterically demanding aryloxide ligand. Inorganic Chemistry, 25/09/2013, Vol. 52, N° 19, pages 11126-11135, <DOI: 10.1021/ic401363p > See scheme 1.	1-17, 19

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance.	
"E" earlier document but published on or after the international filing date	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"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
"O" document referring to an oral disclosure use, exhibition, or other means.	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other documents, such combination being obvious to a person skilled in the art
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

Date of the actual completion of the international search
17/01/2024

Date of mailing of the international search report
(19/01/2024)

Name and mailing address of the ISA/

OFICINA ESPAÑOLA DE PATENTES Y MARCAS
Paseo de la Castellana, 75 - 28071 Madrid (España)
Facsimile No.: 91 349 53 04

Authorized officer
B. de Luis Fernández

Telephone No. 913495451

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C (continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of documents, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SUN, Y. et al. Stereoselective Alkali-Metal Catalysts for Highly Isotactic Poly(rac-lactide) Synthesis. Inorganic Chemistry, 8/12/2015, Vol. 55, N° 1, pages 136-143, <DOI: 10.1021/acs.inorgchem.5b02709> See abstract, chart 1, table 1 and conclusions.	1-19
A	RENTERO, C. et al. Ring-Opening Polymerization of L-Lactide Catalyzed by Potassium-Based Complexes: Mechanistic Studies. Polymers, 23/07/2022, Vol. 14, pages 2982, <DOI: 10.3390/polym14152982> See abstract, scheme 1, sections 2.4 and 3.2.	1-19
A	PALENZUELA, M. et al. Heterobimetallic aluminate derivatives with bulky phenoxide ligands: A catalyst for selective vinyl polymerization. Dalton Transactions, 10/04/2019, Vol. 48, pages 6435-6444, <DOI: 10.1039/c9dt00761j> See abstract, scheme 1 and 2 and conclusions.	1-19
A	CARDIL, A. et al. Rheology of Poly(glycidylmethacrylate) Macromolecular Nano Assemblies. Polymers, 30/11/2021, Vol. 14, pages 455, <DOI: 10.3390/polym14030455> See abstract, scheme 1, section 2.2.	1-19
A	ZHANG, H. et al. Immortal Ring Opening Polymerization of ϵ -caprolactone and rac-lactide by magnesium precatalysts bearing sterically congested phenoxide ligands. European Polymer Journal, 20/06/2019, Vol. 118, pages 633-641, <DOI: 10.1016/j.eurpolymj.2019.06.029> See scheme 1, section 3.2 and conclusions.	1
A	NIFANT'EV, I. E. et al. Bulky ortho-disubstituted phenolates of magnesium, calcium and zinc: structural features and comparison of catalytic properties in polymerization of ϵ -caprolactone and rac-lactide. Mendelev Communications, 29/07/2017, Vol. 27, pages 341-343, <DOI: 10.1016/j.mencom.2017.07.006> See abstract, scheme 1 and table 1.	1

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B01J31/12 (2006.01)

C08G65/02 (2006.01)

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C08G63/08 (2006.01)

C08G63/83 (2006.01)

C08G64/30 (2006.01)

C08G69/16 (2006.01)

C08G69/20 (2006.01)

C07F1/02 (2006.01)

C07F1/04 (2006.01)

C07F1/06 (2006.01)